20000206.qrp v01_n723.qrl.20000206

Date: Sun, 6 Feb 2000 19:03:05 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1723

QRP-L Digest 1723

Topics covered in this issue include:

  1) [62247] CW Offset Tone Decoder
     by "George Heron N2APB" <n2apb@erols.com>
  2) [62248] Re: QRP Power designation
     by ae2t@arrl.net
  3) [62249] FOX: AE2T Fox for 2/9
     by ae2t@arrl.net
  4) [62250] PSK-31 for beginners
     by Jim Durkin <jimdurkin@yahoo.com>
  5) [62251] How to unsubscribe?
     by "Mark Bronson" <bronson_mark@hotmail.com>
  6) [62252] Re: QRP Power designation
     by "John J. McDonough" <wb8rcr@arrl.net>
  7) [62253] Re: QRP Power designation
     by "Rod, N0RC" <n0rc@yahoo.com>
  8) [62254] Thanks
     by "Dan Wolfe" <n4roa@mounet.com>
  9) [62255] Re: QRP Power designation
     by Monte Stark <ku7y@dri.edu>
 10) [62256] It's Time
     by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
 11) [62257] RE: Test only... Do Not Read
     by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
 12) [62258] Re: QRP Power designation
     by "Steve Yates, AA5TB" <aa5tb@swbell.net>
 13) [62259] FYBO in ID
     by Randy Foltz <rfoltz@turbonet.com>
 14) [62260] Re: It's Time
     by "Joe Spencer" <KK5NA@quadj.com>
 15) [62261] DAYTON HAMVENTION ROOMS
     by Hank Kohl K8DD <k8dd@arrl.net>
 16) [62262] FYBO: Kudo's to the Hearty Ones
     by "K7FD-N7SG" <cqdx@teleport.com>
 17) [62263] FYBO @ AJ4Y
     by Paul Womble <pwomble1@tampabay.rr.com>
 18) [62264] FYBO Preliminary Results
     by "James R. Duffey" <jamesd1@flash.net>
 19) [62265] Re: Need some help - Shortened dipole elements formula?

    by K1DXradio@aol.com
 20) [62266] How many Amateur Radio-related projects have you have you built in
the last year?
    by Michael C Boatright <ko4wx@mindspring.com>
 21) [62267] QRP-L : OFFICIAL QRP POWER DESIGNATIONS!!!
    by "Paul R. Valko" <prvalko@oakland.edu>
 22) [62268] Re: How many Amateur Radio-related projects have you have you built
    in the la...
    by GElam30092@aol.com
 23) [62269] Re: How many Amateur Radio-related projects have you have you built
in
 the last year?
    by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
 24) [62270] Re: How many Amateur Radio-related projects have you have you built
 in the last year?
    by Monte Stark <ku7y@dri.edu>
 25) [62271] Re: FOC
    by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
 26) [62272] CONTESTS: KI6DS FYBO report
    by Dave Fifield <fifield@pacbell.net>
 27) [62273] George Heron's message
    by Dave Fifield <fifield@pacbell.net>
 28) [62274] Re: QRP-L : OFFICIAL QRP POWER DESIGNATIONS!!!
    by FrConrad@aol.com
 29) [62275] OT: P-Touch labelmakers
    by "Dave" <dodgeboy@mindspring.com>
 30) [62276] FYBO: My log.
    by Shephed@aol.com
 31) [62277] FYBO on SF Bay
    by "Bob Tellefsen" <n6wg@earthlink.net>
 32) [62278] FYBO from Colorado
    by Gary Slagel <gdslagel@yahoo.com>
 33) [62279] PSK31 receiving......
    by GElam30092@aol.com
 34) [62280] Radio Aurora Maybe
    by "Steve Yates, AA5TB" <aa5tb@swbell.net>
 35) [62281] Re: Radio Aurora Maybe
    by Fred Lesnick <flesnick@tbaytel.net>
 36) [62282] FYBO fun from NW7DX's Backyard!!
    by BenNW7DX@aol.com
 37) [62283] RE: 160m Historical Tidbit -- QST
    by aweiss@usd.edu (Ade Weiss W0RSP)
 38) [62284] RE: 30m DXCC QSL Count
    by aweiss@usd.edu (Ade Weiss W0RSP)
 39) [62285] RE: Radials Info -- again
    by aweiss@usd.edu (Ade Weiss W0RSP)
 40) [62286] ARRL radio designer
    by hgruen@pacifier.com (Huston Gruen)

41) [62287] Sony HF rx for sale (field operation, anyone?)
    by Jim/Julia <w7ls@blarg.net>
42) [62288] Re: Radials Info -- again
    by Wb8siw@aol.com
43) [62289] One more Sony portable HF rx (for F-Y-B-O??)
    by Jim/Julia <w7ls@blarg.net>
44) [62290] How to Become an FOC Member??
    by "James P. Rybak" <jrybak@mesastate.edu>
45) [62291] Re: How to Become an FOC Member??
    by "K7FD-N7SG" <cqdx@teleport.com>
46) [62292] Fixed it! Sierra, low signal from buffer/driver circuits...
    by "Tom Scott" <tscott@eni.net>
47) [62293] Re: P-Touch labelmakers
    by "Vincent Ferme" <vferme@sprint.ca>
48) [62294] QRPp Low Power Award
    by QRP <qrp@email.com>
49) [62295] FYBO es 20 METERS IN TEXAS
    by Brad Bradfield <b_bradfield@yahoo.com>
50) [62296] Re: P-Touch labelmakers
    by "Rod, N0RC" <n0rc@yahoo.com>
51) [62297] Re: Fixed it! Sierra, low signal from buffer/driver circuits...
    by "Nick Kennedy" <nkennedy@tcainternet.com>
52) [62298] Re: OT: P-Touch labelmakers
    by Joe Reed <joe@n9jr.dyndns.org>
53) [62299] Re: FYBO es 20 METERS IN TEXAS
    by "Nick Kennedy" <nkennedy@tcainternet.com>
54) [62300] Re: Radials Info -- again
    by "Dan W. Dooley" <dandooley@pipeline.com>
55) [62301] Re: How many Amateur Radio-related projects have you have you built in the last year?
    by "Mike Yetsko" <myetsko@insydesw.com>
56) [62302] KIT: Version 1.1 of the NoGa PiG documentation has an error
    by Sam Billingsley <SBillingsley@usaninc.com>
57) [62303] Re: P-Touch labelmakers
    by KR0Y@aol.com
58) [62304] Re: FYBO es 20 METERS IN TEXAS
    by "Steve Yates, AA5TB" <aa5tb@swbell.net>
59) [62305] FYBO / FUBAR: QRPp mayhem.
    by S LYON <sslyon@worldnet.att.net>
60) [62306] HELP-Need Schematic for Autek QF-1A
    by "GARY McCAUGHEY" <MAIL4GARY@worldnet.att.net>
61) [62307] Re: FYBO from Colorado
    by "Steve/n0tu" <n0tu@webaccess.net>
62) [62308] Re: Radio Aurora Maybe
    by "Timothy H. Heaton" <theaton@usd.edu>
63) [62309] new Ham Kit Builder web page
    by "Dave Ek" <ekdave@earthlink.net>
64) [62310] Re: It's Time

by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
65) [62311] FYBO Results
by "James R. Duffey" <jamesd1@flash.net>
66) [62312] Re: HELP-Need Schematic for Autek QF-1A
by Ray Colbert <af852@rgfn.epcc.edu>
67) [62313] Re: P-Touch labelmakers
by "James C. Owen, III" <k4cgy_list@yahoo.com>
68) [62314] FYBO: KV2X's log
by Thomas Jennings <jennings@eznet.net>
69) [62315] Re: Radials Info -- again
by "James R. Duffey" <jamesd1@flash.net>
70) [62316] Autek QF-1A and other Boat Anchor Manuals
by "James R. Duffey" <jamesd1@flash.net>
71) [62317] Re: FYBO Preliminary Results
by Bob Hightower <ki7mn@extremezone.com>
72) [62318] Re: OT: P-Touch labelmakers
by Bob Hightower <ki7mn@extremezone.com>
73) [62319] QRP from Air Force Academy
by Lou Martin <lmartin@uswest.net>
74) [62320] Re: QRP Power designation
by "Al Gritzmacher " <ae2t@arrl.net>
75) [62321] FYBO Fun
by Bob Hightower <ki7mn@extremezone.com>
76) [62322] Wanted
by "Ron Polityka" <wb3aal@talon.net>
77) [62323] FYBO Utah Report...de WA7LNW
by wa7lnw@infowest.com
78) [62324] Re: QRP-L : OFFICIAL QRP POWER DESIGNATIONS!!!
by "Al Gritzmacher " <ae2t@arrl.net>
79) [62325] SSB Sprint Contest
by Randy Foltz <rfoltz@turbonet.com>
80) [62326] Contest and K2.
by Ed Loranger <we6w@netzero.net>
81) [62327] Re: Contest and K2 - The WE6W Phenomenon
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
82) [62328] FYBO Log & Comments
by "Nick Kennedy" <nkennedy@tcainternet.com>
83) [62329] Re: new Ham Kit Builder web page [ELMER 101 Reference summary]
by "George Heron N2APB" <n2apb@erols.com>
84) [62330] JW5HE Contact..de Jack, WA7LNW
by wa7lnw@infowest.com
85) [62331] Re: FYBO / FUBAR: QRPp mayhem.
by "David Benson" <nn1g@earthlink.net>
86) [62332] Atlanticon Speaker Profile: NN1G and PSK31 for QRPers
by "George Heron N2APB" <n2apb@erols.com>
87) [62333] PSK.... 4 contacts copied w/o retuning.
by GElam30092@aol.com
88) [62334] Re: QRP-L : OFFICIAL QRP POWER DESIGNATIONS!!!

    by Richard S McKee <kc8aon@juno.com>
 89) [62335] Re: PSK.... 4 contacts copied w/o retuning.
    by "Richard Matthews" <prm@hiwaay.net>
 90) [62336] FW: Major solar flare sighted this weekend
    by "Ed Tanton" <n4xy@att.net>
 91) [62337] Re: [FT100] Re: Radio Aurora Maybe
    by "Paul R. Valko" <prvalko@oakland.edu>
 92) [62338] Aurora Maybe
    by Fred Lesnick <flesnick@tbaytel.net>

Date: Sat, 5 Feb 2000 19:42:11 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>,
<jhenshaw@bellsouth.net>
Subject: [62247] CW Offset Tone Decoder
Message-ID: <00d201bf703b$2e093540$7a5daccf@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While tuning the bands during FYBO this afternoon out in the cold of my backyard, I was reading the current issue of QRPp and came upon the first article: CW Offset Tone Decoder, by Jerry Henshaw, KR5L ... what a *splendid* application of a simple little PLL tone decoder chip!

I was so inspired by Jerry's article that I gave up on the dead-like conditions of the bands after a while and came inside to the workbench to build up the circuit. Thanks to my handy-dandy NorCal cap and resistor kits, I had nearly all the components needed. (Just had to scrounge for the .47uF cap.) And I was indeed able to locate an NE567 PLL chip in the junk box and I wired it all up together Manhattan-style in about 20 minutes. Plugged 9V battery into the clip connect and bingo, I had the internal VCO square wave showing up on my 'scope.

I connected up the audio output of my Sierra to the Tone Decoder, tuned a carrier to get about the 750 Hertz peak for my rig, adjusted the Tone Decoder pot to give me the LED "on" at that freqency, and I was in business! I then tuned into a QSO in progress and found that the Tone Decoder's LED illuminated right at the point where the offset tones were peaked for my rig.

I don't normally have too much of a problem finding that frequency by ear, but I found the K5RL circuit to be an interesting little tuning accessory. I'll be putting it into one of those little Altoids tins (the one about the size of a 9V battery), putting an 1/8" plug cable and jack into it, and

taping the whole thing on top of a 9V battery. Will probably be a neat accessory during the noisy Field Day times when there seems to be a million different tones floating around the site. Will be real easy to ensure I'm zero-beat with my target contact station.

I wanted to thank Jerry KR5L for a great article! It was extremely well written and illustrated. Great QRPp issue.

73, George N2APB
  n2apb@amsat.org

PS: I used a clever and convenient Manhattan-style mounting technique for the 8-pin IC socket, per some discussions with Doug Hendricks, KI6DS. During my recent trip to CA I met up with Doug and he showed me how he used Manhattan-pads at the four corners of a "machine pin" IC socket to support the IC. The pins in between the corners (pins 2,3, 5, and 6 for my 8-pin socket) were floating in space and I was able to tack solder the caps and resistors to them as needed. The resulting socket assembly was very solid and neat. Thanks Doug!

Date: Sat, 5 Feb 2000 19:46:22 -0500
From: ae2t@arrl.net
To: qrp-l@lehigh.edu
Subject: [62248] Re: QRP Power designation
Message-ID: <200002060049.TAA21155@allman.localnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

On 3 Feb 00, at 15:26, Bob Kellogg wrote:

>
> To summarize, usage would be like this:
> 50 Watts = 50w
> 1.5 Watts = 1w5
> 500 mW or .5 Watts = w5
> 50mW or .05 Watts = w05
>
> All we have to do is start indicating power in this manner, and before
> long, everyone will "get" it.
>

I'm not sure I want to "get" "it."

What's wrong with ---

5W = 5 watts
1R5W = 1.5 watts
0R5W = 500MW = half a watt
50MW = 50 milliwatts

...etc.

Sure you save a character sometimes, but at the cost of clarity.
We're taught to use "R" as a decimal point. Let's reinforce that
practice by using it, not by creating another way to do things.

==
The amazing thing about QRP is not how many contacts are
made, but that they are made at all. Every QSO is a
contradiction of conventional wisdom.
72,
Al Gritzmacher, AE2T
QRP-L #1664 QRP-ARCI #9837 K2 #274
ae2t@arrl.net
http://members.localnet.com/~ae2t/
QRP - If you don't try, you'll never know!

Date: Sat, 5 Feb 2000 19:46:22 -0500
From: ae2t@arrl.net
To: qrp-l@lehigh.edu
Subject: [62249] FOX: AE2T Fox for 2/9
Message-ID: <200002060049.TAA21160@allman.localnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Ok gang, here's my first announcement... I will be the FOX this
Tuesday evening 2/9 0200 UTC. That's Tuesday evening on the 8th
local time.

I won't get too specific about the frequency, exchange, etc.
because you all know how it works by now! I'll be in the usual place
in the band and won't throw any funny stuff at you like making you
send your exchange before I give you mine! My goal is to give a
pelt to as many worthy hounds as possible, so lets keep it moving
along. If I can hear you I can copy you, my CW skills are pretty

good from lots of contesting, so don't repeat things. I'll ask for a fill if I need it. Don't tell me my call, I know it already, just give me yours.

I'm a little concerned about the closer stations being able to work me at 0200. I discussed changing the time a bit earlier with "Momma Fox", but we decided to leave it alone. So I will make an effort early on to hear those stations who might vanish later as propagation gets longer. If you hear me say "W2?" and you are a W0, please stand by and let me copy him. I'll get you in good time. If you are in the northeast and can't hear me, don't give up - try later. Propagation has been funny lately and it often comes back to the shorter skip after 0330.

I'll be running the K2 with Mojo at full bore, into the full-sized Gladiator Vertical. This setup has been a Fox-killer so far this season. Now we'll see how it does hearing hounds! I will use RIT liberally, so don't be afraid to spread out +- 1.5 kHz or so.

I'll make anothe announcement Monday. Good luck!

==========
The amazing thing about QRP is not how many contacts are
made, but that they are made at all. Every QSO is a
contradiction of conventional wisdom.
72,
Al Gritzmacher, AE2T
QRP-L #1664 QRP-ARCI #9837 K2 #274
ae2t@arrl.net
http://members.localnet.com/~ae2t/
QRP - If you don't try, you'll never know!

Date: Sat, 5 Feb 2000 17:02:55 -0800 (PST)
From: Jim Durkin <jimdurkin@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [62250] PSK-31 for beginners
Message-ID: <20000206010255.5489.qmail@web308.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

There are two articles in last years QST on PSK-31.
They are in the April, 1999 issue on pages 50-51 and
in the May, 1999 issue on pages 41-44. These are
available on the home page of ARRL
http://www.arrl.org

You do not need to be an ARRL member to read these.
Look under information and services or search.

Web pages that were sent to me by qrp-l readers
include:
http://www.megalink.net/~n1rct/psk/pskin.html
http://aintel.bi.ehu.es/psk31.html
http://www.mindspring.com/~ae4jy/
http://www.qsl.net/wm2u/psk31.html

The megalink.net site has lots of other references.
For me reading the QST articles would make the web
pages more understandable.

Very little in the ARRL Handbook for 2000. Looks like
most information came out of the QST articles

73
Jim kt4a

_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sun, 06 Feb 2000 01:06:00 GMT
From: "Mark Bronson" <bronson_mark@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [62251] How to unsubscribe?
Message-ID: <20000206010600.26415.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Sorry, but I did not save the directions as I should have. How do I
unsubscribe from the list?

Thanks for your patience.

73,
Mark KB1EJP

_____
Get Your Private, Free Email at http://www.hotmail.com

Date: Sat, 5 Feb 2000 20:01:51 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <ae2t@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62252] Re: QRP Power designation
Message-ID: <020701bf703d$c24ceb00$010044c0@cb29328-e.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks Al, I've been biting my tongue over the same thing:

At 7:48 PM AE2T wrote:

> What's wrong with ---
>
> 5W = 5 watts
> 1R5W = 1.5 watts
> 0R5W = 500MW = half a watt
> 50MW = 50 milliwatts

Of course, that will more typically translate to:

5W = 5 watts
AR5W = 1.5 watts
TR5W = 500MW = half a watt
5TMW = 50 milliwatts

but at least I have a prayer of figuring it out. If someone said

  AW5

I'd really be wondering. Was it 1105 with a missing space? AWH with an
extra dit? I would have no clue.

72/73 de WB8RCR   http://members.home.com/wb8rcr/index.htm
didileydadidah   QRP-L #1446 Code Warriors #35

Date: Sat, 5 Feb 2000 18:11:11 -0700
From: "Rod, N0RC" <n0rc@yahoo.com>
To: <ae2t@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [62253] Re: QRP Power designation
Message-ID: <066601bf703f$63a261a0$a9101004@compaq>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

I'm throwing my support behind Al, and "R" or "MW", either is far
more clear than any other proposal I've seen. Personally, I prefer the
"MW" notation. But I comfortable with either.

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----
From: <ae2t@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, February 05, 2000 5:46 PM
Subject: Re: QRP Power designation
...
>
> 5W = 5 watts
> 1R5W = 1.5 watts
> 0R5W = 500MW = half a watt
> 50MW = 50 milliwatts

_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sat, 5 Feb 2000 20:26:22 -0500
From: "Dan Wolfe" <n4roa@mounet.com>
To: "Low Power Radio Discusion" <qrp-l@Lehigh.EDU>
Subject: [62254] Thanks
Message-ID: <200002060126.UAA144518@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Greetings All,

Thanks to Bob, AE4IC, and all the personnel involved

in sponsoring the Holiday Milliwatt Contest. Thanks also
to the prize donors. This has to be one of the most fun
contests going.

I actually operated all three days and really was just in
for the fun. To win something was a plus. I will say that
my confidence grew each day, kept lowering my power,
and found out first hand that what Jim, KJ5TF, says is
true. Milliwatting works and is very addictive. hee hee

I look at it this way, everyone who participated is a
winner. Just ask any of them how much fun it was.

72...Dan, N4ROA

Date: Sat, 5 Feb 2000 17:29:01 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62255] Re: QRP Power designation
Message-ID: <Pine.GSO.4.10.10002051721060.23294-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>
> What's wrong with ---
>
> 5W = 5 watts
> 1R5W = 1.5 watts
> 0R5W = 500MW = half a watt
> 50MW = 50 milliwatts
>

Not much!

I only see the third one that I think is poor.

Lets not get too confusing with "cut" power numbers. We
already know how much fun cut numbers are in a contest!

I'd suggest sending ALL power levels under one watt as
just 500mw (for example) and that would be sent using "T"
for the zeros when when you have 2 in a row like that or
for levels like 950 MW I'd send 95o MW. (That's sending
the letter "O" in place of the zero.

The letters "T" and "O" are both fine for zeros when NOT
in a call sign. But try to think about the poor soul on
the other end.....sending only one "T" in a string can
make it hard while sending one "O" gives just a tad more
time for the mind to get into gear and see it as a zero.

OK, back in my hole....

FYBO condx very POOR here. S9 noise on 20m but the little
Noise killer by Doug DeMaw did a great job!

OK, back in my hole....

73, Ron

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.......WHINERS #1........ZOMBIE #18.....

Date: Sat, 05 Feb 2000 20:33:22 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>, "njqrp@njqrp.org" <njqrp@njqrp.org>
Subject: [62256] It's Time
Message-ID: <389CCF62.B4D0C2B8@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well I've printed out my order form for a K2. I guess I have about two
weeks to get a new tip for my soldering iron.
--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Sat, 05 Feb 2000 20:34:57 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>

To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [62257] RE: Test only... Do Not Read
Message-ID: <389CCFC1.18E44B4D@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wonder... If I read the message will the test be unsuccessful???
--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Sat, 05 Feb 2000 19:38:10 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62258] Re: QRP Power designation
Message-ID: <007401bf7042$d41d36a0$8d773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I agree with Al. There are a lot more CW ops out there other then just us
QRP guys and I think another "standard" will just confuse things. R has
been used for as long as I can remember.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
http://home.swbell.net/aa5tb
http://www.geocities.com/aa5tb

Date: Sat, 05 Feb 2000 18:05:52 -0800
From: Randy Foltz <rfoltz@turbonet.com>
To: qrpl_post <qrp-l@lehigh.edu>
Cc: The Gervais Critter <vole@dancris.com>

Subject: [62259] FYBO in ID
Message-ID: <389CD700.84828FC3@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That was fun! I headed up into the forest near Moscow, ID for this year's FYBO. The snow was about knee deep. While walking around on snowshoes, I got a line up into a tree and hung a 20 m sloper off to the southeast. Next I dug a pit for a chair, rolled out a thermarest pad, unpacked the K2, and began the contest. Temperatures were nearly ideal for just sitting in a hole in the snow, between 37 and 40. Around 2 pm PST a light rain began to fall, so I packed up and headed home.

I made 51 Qs in 22 SPCs over the 4 hours. Worked many of the brave souls outside and quite a few insiders, too. Keying gets a little difficult when the hand gets cold. Sorry for the often sloppy sending.

73,
Randy
K7TQ

Date: Sat, 5 Feb 2000 19:59:44 -0600
From: "Joe Spencer" <KK5NA@quadj.com>
To: <tjarey@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62260] Re: It's Time
Message-ID: <022601bf7045$d76d92c0$ba00430a@vectra>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good move Skip!
You will love it!
The most fun I have had building a kit ever! And the camaraderie, helpfulness, and knowledge of the K2 builders group is great! As well as the great support of the folks at Elecraft.

I am putting together the SSB option now and anxiously awaiting the ATU.
Operated #685 (Dwain's) today in the field for FYBO and mine #799 here at home this evening for the last 2 hrs.

72/3 Joe KK5NA
Hope you enjoy it as much as I have.

----- Original Message -----
From: T.J. "SKIP" Arey N2EI <tjarey@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, February 05, 2000 19:33
Subject: It's Time

> Well I've printed out my order form for a K2. I guess I have about two
> weeks to get a new tip for my soldering iron.
> --
> +++
>
>   T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com
>
>   Website   http://members.home.net/tjarey
>
>   Snail Mail: PO Box 236, Beverly, NJ 08010
>
>   Specialization is for insects!   LAZARUS LONG
>

Date: Sat, 05 Feb 2000 21:29:12 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: qrp-l@lehigh.edu
Subject: [62261] DAYTON HAMVENTION ROOMS
Message-ID: <4.1.20000205211856.00ad83a0@192.0.0.6>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As I'm sure everyone may know by now, QRP-ARCI is managing a block of
rooms during the Dayton Hamvention at the Days Inn South for 2000.

The list of those requesting rooms is posted on
http://www.tir.com/~k8dd/dids.htm and has been updated today. At this
time all the rooms are spoken for and there is a Stand-by list. Anyone
who wants a room on the QRP-ARCI block of rooms can get on the Stand-by
list by sending me an e-mail with the following information:

Name:
Call:
E-mail Address:
Room (N/NS):
Nr. of Beds:
Nights:
WE

TH
FR
SA
SU

Requests will be added to the Stand-by list by the order received.

73   Hank   K8DD

*/   Hank Kohl K8DD   k8dd@arrl.net
*/   ARRL TS   http://www.tir.com/~k8dd
*/   MI-QRP - Vice Pres. QRP-ARCI - Director
*/   G-QRP   ARRL/LM   QCWA/LM   QCAO/LM

Date: Sat, 5 Feb 2000 18:52:51 -0800
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62262] FYBO: Kudo's to the Hearty Ones
Message-ID: <00c401bf704d$43c463c0$61231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, I felt guilty as I copied AA5B's 17 degs...BRRR...

But what a fun day! Thanks to all those super op's, especially those roughing it, for all those FYBO q's today. Inbetween 10X contesting with my xyl, I managed to S&P 40 cw qso's...wonder if anyone worked FYBO ssb?

Maybe next year I'll head for the hills too...

72 John K7FD, K2 at 5w, 69F Oregon Coast

Date: Sat, 05 Feb 2000 22:11:44 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62263] FYBO @ AJ4Y
Message-ID: <389CE670.DCCB0958@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My field trip plans changed...so worked off and on from home (inside @ a nice 71f) during the day between doing some antenna work and honey-do's.

Big signal from NK6A on 20m with his 200mw! Several temp's below freezing. Makes me appreciate Florida's "winter" even more!

FY/DJ0PJ called in on 10m. 10 was in good shape most of the day...just no one there :-(

56 qso's x 28 spc's = 1608 claimed score.

Stuff:
Yaesu FT920 @ 5 watts
Force 12 C-3 tribander @ 75'
40m sloper @ 60'
80m inv-v @ 60'

73
Paul AJ4Y

--
Polk County Chapter American Red Cross:
http://www.redcross.org/fl/polkcounty
Florida Contest Group:
http://www.qsl.net/fcg

Date: Sat, 05 Feb 2000 20:12:02 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: QRP-L@lehigh.edu
Subject: [62264] FYBO Preliminary Results
Message-ID: <200002060312.VAA02847@bunyip.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: quoted-printable

All - I just got back from my FYBO expedition. Preliminary results are:

139 QSOs in 31 SPCs, Low T 24 degrees F, 10 hours of operating time including breaks.

This tops last years 94 Qs and low T of 31 by quite a bit, but I t hink I am down on SPCs. The bands were good here and there was lots of activity. I suspect that scores will be high! I was pleased to pass my

goal of 100 Qs. I guess I set my sights too low.

Best DX and high point of the contest was working G4UZN on 10M. He had a good signal.

I worked lots of stations on multiple bands which is quite a kick.

Activity seemed thin on 15 M and 10 M, although propagation was good. I worked a lot of stations on 10=A0M that did not know anything about FYBO so I had to explain it to them which slows the rate a bit.

I have never seen so much NM activity in a QRP field contest. In addition to WB5QYT who was at the same site as I was, I worked K5OI, NA5N, and AA5B. I didn't hear Gary or Jay, but that would make 2 more. Plus I was on the air. Every body should have worked NM on this one.

AA5B was operatign from near Sandia Crest with a low T of 17 F so I suspect that Bruce will have a score that is hard to beat. Bruce - you kept sending 17 F the whole contest, didn't it even warm up a degree? Bruce was about 40 miles from me, but still LOS. We worked on all bands 40 M to 10M. I will need to check the log for others I worked on multiple bands. There were lots.

I operated all "contest" bands from 160 M TO 10M. 1 QSO each on 160 M and 80 M with WB5QYT :^)=3D.

It was nice to hear Zack, W1VT, back QRP contesting. N4BP was conspicous by his absence. Is Bob OK??

I worked lots of Az SQRPIONS. Is there a prize for most worked SQRPIONS like there has been in the past? Joe, AB7TT was also missing but I suppose his business is very stressing these days. It took me awhile to get used to Bob and Brian's new calls. Floyd was operating NQ7RP - is that a Club call??

More to come as I get the logs digested. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 5 Feb 2000 22:23:16 EST
From: K1DXradio@aol.com
To: qrp-l@lehigh.edu
Subject: [62265] Re: Need some help - Shortened dipole elements formula?
Message-ID: <6f.c073e0.25ce4324@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, I don't know about 3/8 wave, but I have a program that I adapted from a 73 article some years ago, compiled it, and now have a DOS .exe file. It does a great job of designing shortened dipoles using loading coils. You put the coils anyplace you like. It designs the coils as well. I believe I added the menu item for just designing coils, if you like. An example of the program's success is a short 75M dipole I have. It is basically a 30M half wave dipole with loading coils at the end insulator and 4 ft additional antenna wire on each end. I selected pvc pipe diameter for the form and used #20 hookup wire for the coils. I built it just as the program specified, put it up, and had a 1:1 VSWR at 3785, the design freq. It works. If anyone would like the program, email me. I will either send you the file or put it up where you can download it. 72 - George

---

Date: Sat, 05 Feb 2000 22:37:15 -0500
From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [62266] How many Amateur Radio-related projects have you have you built in the last year?
Message-ID: <389CEC6B.77A933B8@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Haven't had a lot of time to read the L lately (bummer), so this may have already been brought up. Anybody seen the latest ARRL survey on their web page (http://www.arrl.org)?

How many Amateur Radio-related projects (equipment, antennas or software) have you built within the past year?

1-2	29.2 % (354)
3-4	26.0 % (315)
5-6	9.2 % (112)
More than 6	13.4 % (162)
None	22.3 % (270)

Total votes: 1213

No comments from the League bashers.

I don't know whether this is good, bad or ugly. Guess it means more projects for me to work on! Interesting responses, though. Wish we could get more folks interested in building stuff (but, hey, well fill

the room at R$.com at every NOGA meeting...).

73 de Mike, KO4WX

--
Mike Boatright, KO4WX
Assistant Section Emergency Coordinator,
GA Section Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man
contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Sat, 5 Feb 2000 22:40:23 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [62267] QRP-L : OFFICIAL QRP POWER DESIGNATIONS!!!
Message-ID: <Pine.OSF.4.20.0002052200430.10443-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ok Everyone - what you've all been waiting for...

After careful consideration, lots of topical debate on QRP-L,
and the blessing of nobody, the secret QRP-L Sanity Preservation
Committee is pleased to present these official designations for
fractional watt and milliwatt operation.

Be aware that the "R" vs "W" vs "." debates were completely and most
seriously investigated. Obviously, these operation techniques are going
to change the way our QRP-L community behaves as well as change the way
the entire amateur radio perceives QRP operators.

Please pay special and close attention to the examples given below. The
use of "common sense" may be disturbing and even frightening to those
unfamiliar with the math.

With luck, the entire amateur radio community will soon understand this
new method an embrace it as we hope you will.

----------------- PRINT AND CUT BELOW THIS LINE -------------------------

O F F I C I A L Q R P - L P O W E R D E S I G N A T I O N S
Version 1.00 accepted for publication 02/05/2000

For Output power LESS than five watts but OVER one watt...
Round power to nearest watt, include the special QRP-L
Approved symbol, "ABT" in front of the measured power.

Examples: 4.3 watts: ABT 4W
2.53 watts: ABT 3W
1.002 watts: ABT 1W

For Output power LESS than one watt...
Transmit the special QRP-L Approved symbol "MW" following the
power as measured in milliwatts.

Examples: 500 milliwatts 500 MW
253 milliwatts 253 MW
7 milliwatts 7 MW

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<http://www.acs.oakland.edu/~prvalko>

Date: Sat, 5 Feb 2000 22:47:01 EST
From: GElam30092@aol.com
To: ko4wx@mindspring.com, qrp-l@lehigh.edu
Subject: [62268] Re: How many Amateur Radio-related projects have you have you built
in the la...
Message-ID: <ae.f63aff.25ce48b5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 2/5/00 8:38:19 PM US Mountain Standard Time,
ko4wx@mindspring.com writes:

<< I don't know whether this is good, bad or ugly. >>

To the optimist, the glass is half-full.
To the pessimist, the glass is half-empty.
To the engineer, the glass is twice is big as it needs to be.

I'd say that roughly 4 out of 5 claiming to have built something in the last year is very good.

Cheers,
Gerry Elam
PHX AZ

Date: Sun, 06 Feb 2000 14:56:29 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62269] Re: How many Amateur Radio-related projects have you have you built in
 the last year?
Message-ID: <389CF0ED.CDDDBE6E@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael C Boatright wrote:

> How many Amateur Radio-related projects (equipment, antennas or
> software) have you built within the past year?
>
> 1-2   29.2 % (354)
> 3-4   26.0 % (315)
> 5-6   9.2 % (112)
> More than 6   13.4 % (162)
> None   22.3 % (270)
> Total votes: 1213

I suspect if the same survey were conducted 10, 20, 30 or perhaps 40 years ago it would yield similar results. Before that time (or even 40 years back) more HB was evident simply because necessity was the "mother of invention".

I believe overall, HR is in "good shape" given the advances in technology coupled with a myriad of competing interests / distractions.

> No comments from the League bashers.

Amen

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- mailto:vk2tip@qsl.net?Subject=Subscribe
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - http://www.integritynet.com.au/~purdic/

Date: Sat, 5 Feb 2000 20:02:49 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62270] Re: How many Amateur Radio-related projects have you have you built
 in the last year?
Message-ID: <Pine.GSO.4.10.10002052001530.23769-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I was very surprised that almost 78% had built something!

On the other hand, I wonder is people can vote more than
once there?

73, Ron

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.......WHINERS #1........ZOMBIE #18.....

Date: Sun, 06 Feb 2000 15:03:56 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62271] Re: FOC
Message-ID: <389CF2AC.4A204EA6@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

St phane Collas wrote:

> FOC means First Operator Class

Question: Does this additionally mean only holders of First Class Operator's Certificates, within the "strict" legal definition under the various radio regulations and / or legislation of respective countries or is it simply a "peer review" process.

Just wondering

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- mailto:vk2tip@qsl.net?Subject=Subscribe
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - http://www.integritynet.com.au/~purdic/

Date: Sat, 05 Feb 2000 19:54:28 -0800
From: Dave Fifield <fifield@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62272] CONTESTS: KI6DS FYBO report
Message-ID: <006801bf7055$ddc3f000$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Wow what fun. Dave Fifield and I traveled to Phoenix to operate the FYBO contest with Dan Tayloe. It was a comedy of errors really. One night on the phone I told Dave that I had wanted to go to Phoenix to an Arizona ScQRPion meeting held the first Saturday of every month (so I thought). Dave said that he would love to go to one too, and we decided to do it in Feb. Dave said he would arrange the details, buy the tickets, etc. So, we checked our calenders, and both of us had Feb. 5th free. I gave Dave the green light to buy the tickets, and he found a deal. One small problem, the tickets were cheap and non-refundable.

I email Roger Hightower and mention that we will be coming down to Phoenix for the Feb. ScQRPion meeting. Roger emails back, that's nice, but no one will be here, as we will be gone to do FYBO. Oh my gosh. My face is instant red. I have to call Dave and explain, and he was very British about it, stiff upper lip and all. Said that since we had the tickets, we would go and operate anyway.

Surely not every ScQRPion would be out of town. And as luck would have it, Dan Tayloe was not planning a trip. We contacted Dan, and he said that he knew a great place to operate.

Dave and I left Friday evening, and flew to Phoenix where Dan met us at our hotel. You have to see Dan Tayloe's portable antenna on his Toyota Pickup. It is about 30 feet in the air!! We went to dinner, had a nice chat, and decided to meet the next morning to operate FYBO. Dan took us to Kiwanis Park in Tempe, and what a beautiful site. Right on the edge of a small lake, shade trees, covered picnic tables, nice supports for antennas. We quickly erected a Vern Wright SuperAntenna, the PW1, which is on his website http://www.superantennas.com . This is a marvelous portable antenna. We used it on 20 meters, and shared a radio so that all three of us could make qso's. We also put up a neat little 40 meter dipole that Dave brought along, and will be the subject of an article in QRPp. We had so much fun on 20, that we never did try 40. Here is my log:

KK6MC/5	579	NM	Jim	5W	32F	Dr. Megacycle!!
WD7Y	339	NV	Ed	5W	60F	
N0SXX	569	CO	Gary	5W	47F	
AA5B	579	NM	Bruce	5W	17F	Wow that is cold!!!!!
W0YSE	579	UT	Neil	5W	56F	
W5JAY	559	AR	Jay	1W	70F	Famous Ft. Smith QRP author!
AB6MB	559	CA	Jeff	5W	55F	
AB5UA	449	OK	Cliff	2W	52F	Cliff in Baja Kansas
NQ9RP	559	WI	Jerry	5W	33F	One of those QRP calls.
AC6KW	579	CA	Jeff	5W	49F	Work Jeff every contest.
KI0KY	559	CO	Steve	5W	49F	
W6JEO	579	CA	Carl	5W	72F	
KX7L	569	WA	Charlie	5W	49F	

Great Fun. Highlight was copying Jay Bromley at 1 mW after we did the contest QSO. That man knows how to milliwatt!! Vern's antenna can pull the signals out of the ether, and it is a snap to set up. You guys have to check it out. Soon, it was time to hustle back to the airport to catch the plane ride home. NorCal meeting in the morning that we don't want to miss. Thanks to Dan Tayloe for the great hospitality and fun time that he showed a couple of guys from California. Next time, I will get the meeting information right before we buy the tickets, Sorry about that guys. 72, Doug

P.S. Thanks to the Arizona guys for a GREAT contest!! You guys throw a great party.

Date: Sat, 05 Feb 2000 20:03:39 -0800
From: Dave Fifield <fifield@pacbell.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62273] George Heron's message
Message-ID: <007001bf7057$26316420$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

George gave me credit today for a way of mounting IC's Manhattan style. The credit is not mine, but should go to Mike Fitzgibbon, N0MF of the Iowa QRP Club. He built the radio that George saw. Thanks for the nice comments on QRPp and Jerry's article. Can't wait to see the next issue of Qrp Homebrewer or QHB.
72, Doug

Date: Sat, 5 Feb 2000 23:09:41 EST
From: FrConrad@aol.com
To: prvalko@oakland.edu, qrp-l@lehigh.edu
Subject: [62274] Re: QRP-L : OFFICIAL QRP POWER DESIGNATIONS!!!
Message-ID: <a6.4a579d.25ce4e05@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 2/5/00 7:42:06 PM Pacific Standard Time,
prvalko@oakland.edu writes:

<<
 After careful consideration, lots of topical debate on QRP-L,
 and the blessing of nobody...>>,

Bless you.

John+
WB6MFS

Date: Sat, 5 Feb 2000 22:56:59 -0500
From: "Dave" <dodgeboy@mindspring.com>
To: <qrp-l@Lehigh.EDU>
Subject: [62275] OT: P-Touch labelmakers
Message-ID: <061e01bf7056$38d75e00$19b7aec7@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There was a recent thread dealing with labelmakers where a few guys said the P-Touch was good.
Which P-Touch model -- the Hobby III or one of the more expensive ones?
Does anyone have any opinions on the P-Touch line or other ones? I've been thinking of getting one, but there isn't much info or selection at my local Office Depot.
Thanks.
Dave K8TRF

Date: Sat, 5 Feb 2000 23:28:41 EST
From: Shephed@aol.com
To: qrp-l@lehigh.edu
Subject: [62276] FYBO: My log.
Message-ID: <97.17261fe.25ce5279@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well here's my log for FYBO. I had family commitments so I had to do the sp thing.
A lot of good sigs today, real happy with some of the new states I picked up for QRP/WAS. :-)
I even got a few non-FYBO Q's, I left them in there for you to see, note the last one was a VERY NICE rag chew, we closed 15 down. :-)

Hope all had fun, and thaw out soon.

15:36 14.059 559/559 w0av/m ks, george, 5w, 27f
15:40 14.058 579/559 aa5b, nm, bruce, 5w 17f
15:46 14.059 579/579 w3kc, md, chas, 5w, 30f
15:57 7.040 579/599 detroit, mi jerry, w8gnd 50w/ts50 (not FYBO)
17:03 14.060 449/559 k5ln, tx, bill, 5w, 44f
17:09 14.059.5 559/559 k5zty, tx, bill 5w, 68f
17:11 14.061 559/559 k5rac, tx, ric, 5w, 41f
17:20 21.059 559/559 aj4y, fl, paul, 5w, 71f
18:56 14.057 579/559 wa5dbu, ar, nick, 4w, 46f
19:21 14.061 579/579 wb0wqs, mo, kelly, 5w, 73
19:25 14.063 559/559 aa1my, ny, seab, 5w 20f
21:16 28.062 229/339 al7fs, ak, jim, 5w, 71f
21:19 28.060 559/559 wa7lnw, ut, jack, 5w, 48f
21:35 21.061.5 559/559 kk6mc/5, nm, jim, 5w, 55f
21:39 21.061 579/559 aa5b, nm, bruce, 5w, 17f
22:28 14.061.5 579/559 ab5ua, ok, cliff, 2w, 52f

22:40 14.059 569/559 wb7nmy,sd, tim, 3w, 25f
23:25 21.056 k8hbi 579/579 tampa,fl chas #5772 icom 740@80w to inverted V(FISTS QSO)
23:50 21.059 k4uk/4 569/579 fort myers,fl stan ten tec scout to a hustler from his car #2934 cc#229 Di #20 (FISTS QSO) (1 hour rag chew)

72, 73, oo's
Dan, N8IE Kettering,Oh
FPqrp #--6, QRP-l #1404, FISTS #4985, Zombie #667
http://members.aol.com/shephed/n8ie.htm

Date: Sat, 5 Feb 2000 20:32:01 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [62277] FYBO on SF Bay
Message-ID: <01bf705b$1cc5e790$04d7fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, not exactly ON the Bay, but close to it.
Had fun from home this year, as my partner is down with the flu this year. Bummer.
Made myself an FYBO log form with space for 50 contacts. Just exactly filled it by the end.
Boy, 40m was sparse this year. I let the K2 CQ robot run while I worked on my bench. Whenever I got a call, I dropped everything, ran to the key and logged it. Then back to the bench. Almost finished my 160m preamp during the contest. How's that for multitasking?
50 contacts and 10 S/P/C, wound up with 3000 points. Not impressive, but that's all she wrote this year.
Onward and upward, gang. QRP Afield, Field Day and QRP to the Field are coming
72, Bob N6WG

Date: Sat, 5 Feb 2000 20:50:11 -0800 (PST)
From: Gary Slagel <gdslagel@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [62278] FYBO from Colorado
Message-ID: <20000206045011.6089.qmail@web205.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just sent the log into Roger. Saw all FYBO conversation and thought I'd send it to the group. Had a pretty good outing even though I was late setting up and early getting back. Hiked into Pike Nat'l Forest and got going about noon. My Sierra/Wire/ZM2 tuner did fine on 20 meters but didn't hear a thing on 40 or 15.

Anyway... had a great time. Below is the log.

```
02-06-00 16:00 K7TQ       14     CW   579  569   ID
U.S.A.            RANDY     X
02-06-00 16:00 K5OI       14     CW   579  579   NM
U.S.A.            TIM       X
02-06-00 16:00 K5AAR      14     CW   579  559   OK
U.S.A.            DAN       X
02-06-00 16:00 K7FD       14     CW   579  599   OR
U.S.A.            JOHN      X
02-06-00 16:00 KF9D       14     CW   579  579   IL
U.S.A.            ROGER     X
02-06-00 16:00 VE6EWM     14     CW   579  579   AB
CANADA            EARL      X
02-06-00 16:00 AB5UA      14     CW   569  569   OK
U.S.A.            CLIFF
02-06-00 16:00 KB7OVS     14     CW   579  569   NV
U.S.A.            TOM       X
02-06-00 16:00 WA4QDM     14     CW   569  459   VA
U.S.A.            JOHN      X
02-06-00 16:00 WD7Y       14     CW   579  579   NV
U.S.A.            ED
02-06-00 16:00 AD6A/7     14     CW   569  569   AZ
U.S.A.            DAVE      X
02-06-00 16:00 AK7Y       14     CW   459  559   AZ
U.S.A.            GREG
02-06-00 16:00 W6FZA      14     CW   579  579   CA
U.S.A.            ALAN      X
02-06-00 16:00 NK7M       14     CW   569  579
U.S.A.               BOB
02-06-00 16:00 K0LWV      14     CW   569  569   MO
U.S.A.            LARRY     X
02-06-00 16:00 AC6KW      14     CW   459  559   AZ
U.S.A.            DOUG
02-06-00 16:00 KI6DS      14     CW   569  559   AZ
U.S.A.            DOUG
02-06-00 16:00 KO4PY      14     CW   459  559   NC
U.S.A.            BRENT     X
02-06-00 16:00 K7RE       14     CW   579  559   AZ
U.S.A.            BRIAN
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```
02-06-00 16:00 W6WY       14     CW   569  689   CA
U.S.A.            PETE
02-06-00 16:00 WQ0RP      14     CW   569  559   MN
U.S.A.            MERT      X
02-06-00 16:00 KN6YD/M    14     CW   569  579   CA
U.S.A.            JEFF
02-06-00 16:00 KO4PY      14     CW   569  559   NC
U.S.A.            BRENT
02-06-00 16:00 N7VE       14     CW   459  579   AZ
U.S.A.            DAN
02-06-00 16:00 WT8P       14     CW   559  559   OH
U.S.A.            JOE       X
02-06-00 16:00 AB6MB      14     CW   569  559   CA
U.S.A.            JEFF
02-06-00 16:00 K6TV       14     CW   569  559   CA
U.S.A.            TOM
02-06-00 16:00 AB8DF      14     CW   579  449   MI
U.S.A.            ED        X
02-06-00 16:00 KR6LP      14     CW   569  559   CA
U.S.A.            BARRY
02-06-00 16:00 W6WO       14     CW   579  589   CA
U.S.A.            RON
02-06-00 16:00 K5VR       14     CW   589  589   AR
U.S.A.            STAN      X
02-06-00 16:00 AC6UV      14     CW   569  559   CA
U.S.A.            GODY
02-06-00 16:00 NW7DX      14     CW   589  559   WA
U.S.A.            BEN       X
02-06-00 16:00 K6RPN      14     CW   579  559   CA
U.S.A.            DOUG
02-06-00 16:00 AB5PC      14     CW   559  599   CA
U.S.A.            DAVE
02-06-00 16:00 AA9NF      14     CW   559  599   IL
U.S.A.            PETE

=====
```
Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: http://marina.fortunecity.com/sanpedro/351
_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sat, 5 Feb 2000 23:52:20 EST

From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [62279] PSK31 receiving......
Message-ID: <14.b73c95.25ce5804@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Been playing around with trying to receive a PSK31 signal. Finally got one at 7070.41 at 0452 UTC!   Very nice!

Cheers,
Gerry

Date: Sat, 05 Feb 2000 22:59:50 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [62280] Radio Aurora Maybe
Message-ID: <000d01bf705f$009f30e0$e0773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I've been detecting a lot of evidence of a rather strong radio aurora for the last couple of hours (since about 0200 UTC 06FEB00). I wonder what ya'll up north are seeing?

What kind of evidence you ask? Well, multiple Doppler shifted returns from signals (sounds like multiple simultaneous signals with flutter) within about 1500 miles of me, especially from stations pointing north. I've noticed this on bands from 40 through 20 meters. WWV at 10 MHz has had the effect pretty bad at times allow the intensity of the distortion varies considerably over time.

I've been listening on 6m for aurora scatter QSOs that might be taking place but with no luck.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
http://home.swbell.net/aa5tb
http://www.geocities.com/aa5tb

Date: Sun, 06 Feb 2000 00:10:28 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: aa5tb@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62281] Re: Radio Aurora Maybe
Message-ID: <389D0243.D815464B@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

6 metres has been wide open for hours......we do have a great light show in the sky from my location..
Fred VE3FAL
Thunder Bay,Ontario

Date: Sun, 6 Feb 2000 00:19:39 EST
From: BenNW7DX@aol.com
To: qrp-l@lehigh.edu
Subject: [62282] FYBO fun from NW7DX's Backyard!!
Message-ID: <5f.1226838.25ce5e6b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, I couldn't make it "up to the mountains," so I put my coat on, brought the gear outside, and started making contacts! Lots of Fun!

Unlike some of the other guys, I can't copy my log into this message. It would be very large. I made 124 contacts, with 30 spc's and operated the Whole Time! Woke up at 5:45 (pacific time) to start operating at 6:00, only to find that the bands didn't hold too much signals. After about 10 Q's on 40, I went back to bed :) , and then I woke up to a huge mess on 20! Geez, it seems that every contest, it gets more and more squished. The FISTS guys are right below us (with very big signals) and then right above us there are the digital guys, who sometimes are even RIGHT ON TOP OF US. There were numerous times where all I could do was stop transmitting and wait... and wait... until the darn digital signal would go away. This happened on a few bands. oh well....

I was running a Small Wonder Labs on 40 meters, and my TS-570 on all the other bands, and the antenna was the good ol' 40 meter Delta Loop up ~70 ft. I've got a RedHot NC-20, which I'm building now, and I will be using that for all the future contests!

This was my first FYBO and I absolutely loved it! Thanks guys for all the QSO's. Next FYBO I will be "heading for the mountains!"

73/2,
Ben - NW7DX
Redmond, WA

Date: Sat, 5 Feb 2000 23:57:27 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [62283] RE: 160m Historical Tidbit -- QST
Message-ID: <200002060557.XAA06437@sunburst.usd.edu>

Hi gang:

Paging thru the Feb 1997 QST, I ran across a photo (p.21) of an ice-storm coated telephone-pole mast with a big V attached to it and running off the photo. Covered with white hoar-frost. Turns out to be W0MHS/7's full-wave loop for 160m. With 4.8-watts, he worked 70 of 78 sections in the ARRL 160 contest that year,
including WAS, and a 4th place!

Hey, they DO notice us if we kill a lot of KW's in the process!

Just thought I'd share this moment (long gone) of QRP pride with the rest of the gang.

72, Ade

Date: Sat, 5 Feb 2000 23:59:24 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [62284] RE: 30m DXCC QSL Count
Message-ID: <200002060559.XAA06810@sunburst.usd.edu>

HI all:

I sent out the first batch of QSL's for my 30m DXCC on Dec 4, so yesterday (Feb 4) seemed a logical time to tot up what's come in. To date, 56 countries QSL'd. I better get the last dozen or so in the mail!

72, Ade

Date: Sun, 6 Feb 2000 00:19:34 -0600 (CST)

From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [62285] RE: Radials Info -- again
Message-ID: <200002060619.AAA11052@sunburst.usd.edu>

Hi gang:

I recommend a reading of the ARRL Antenna Book section on radials
as a prelude to deciding what to do. You will discover that research
as far back as 1937 established the parameters that the ARRL still
follows (along with a host of others) and which have been reaffirmed
many times.

For those who swear by "resonant radials cut to formula length," the
radio world would be quite taken back if anyone can actually
produce RX measurements which prove that such a radial, when
laid on the ground, insulated or uninsulated, in touch with the dirt
or laying on the grass, "resonates" anywhere near the formula
frequency.

The simple fact is: formula-length radials on the ground are far
from their "resonant" frequency.

Nor is a dipole laid on the ground resonant at its formula frequency.

As another post pointed out, closely spaced parallel radials as made
from computer ribbon or twinlead function as one single very wide wire.

This stuff has all been written up in multitudes of places.

What happened to research articles and books?

72, Ade

Date: Sat, 5 Feb 2000 22:21:34 -0800 (PST)
From: hgruen@pacifier.com (Huston Gruen)
To: qrp-l@lehigh.edu
Subject: [62286] ARRL radio designer
Message-ID: <200002060621.WAA18966@eclipse.pacifier.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Has anyone out there used the ARRL radio designer software? If so what did
you think of it? Anything better for the same or less money? Thanks.

Huston K7ITA

Date: Sat, 05 Feb 2000 22:43:43 -0800
From: Jim/Julia <w7ls@blarg.net>
To: qrp-l@lehigh.edu
Subject: [62287] Sony HF rx for sale (field operation, anyone?)
Message-ID: <389D181F.561C0159@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I have a Sony SW-55 digital shortwave receiver for sale. $200 plus shipping from 98019. Case shows wear, and some buttons are faded out. Works and sounds 100%. This is the Sony that has the huge, huge lcd in

front. AM/FM/CW/SSB.
    I've used this receiver, along with a ONER 1 watt transmitter in the field. Makes a dandy setup.
Jim W7LS

Date: Sun, 6 Feb 2000 01:45:24 EST
From: Wb8siw@aol.com
To: aweiss@usd.edu, qrp-l@lehigh.edu
Subject: [62288] Re: Radials Info -- again
Message-ID: <34.1161a90.25ce7284@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well said Ade. A tremendous amount of money has been invested in the research of radials, ground conductivity, antenna losses and so forth by large organizations such as General Electric, RCA, etc. There are many excellent publications available on the market, all of which contain reliable information based on this knowledge. In addition to the ARRL Antenna Book, a favourite of mine is the "Vertical Antenna Handbook" by Capt. Paul Lee. I believe it is available through CQ.

Anyway, enough said.

73, Jim WB8SIW

Date: Sat, 05 Feb 2000 22:47:23 -0800
From: Jim/Julia <w7ls@blarg.net>
To: qrp-l@lehigh.edu
Subject: [62289] One more Sony portable HF rx (for F-Y-B-O??)
Message-ID: <389D18FB.7963C30B@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Evening......
    I have a Sony PRO-80 digital handheld receiver for sale. It looks like a walkie talkie, but isn't. Covers 150 KHz to 76 MHz am,fm,cw, ssb,

then the FM broadcast band, then on up to 223 MHz with the included converter.
    Comes with the Sony whip antenna, converter, carrying case, and book. It has a TNC coax fitting on top for whatever antenna you want. I've used this receiver and the Sony SW-55, along with the ONER transmitter in the field. Gobs of fun.

$200 plus shipping from 98019   Jim W7LS

Date: Sun, 6 Feb 2000 00:28:48 -0700 (MST)
From: "James P. Rybak" <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [62290] How to Become an FOC Member??
Message-ID: <Pine.LNX.4.10.10002060027380.2024-100000@mesastate.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone please tell me how one becomes an FOC member?

Thanks.

Jim W0KSD

Date: Sat, 5 Feb 2000 23:37:16 -0800
From: "K7FD-N7SG" <cqdx@teleport.com>
To: <jrybak@mesastate.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62291] Re: How to Become an FOC Member??
Message-ID: <017001bf7074$ffa3b7e0$61231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Try:

http://members.aol.com/focuk/

73 John K7FD

>Can anyone please tell me how one becomes an FOC member?
>
>Thanks.
>
>Jim W0KSD

Date: Sun, 6 Feb 2000 02:37:14 -0800
From: "Tom Scott" <tscott@eni.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Subject: [62292] Fixed it! Sierra, low signal from buffer/driver circuits...
Message-ID: <000101bf708e$5cca6c20$68100f0a@wyle.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got it working!

Thanks to everyone who took time out of their busy lives to consider my problem and write me with suggestions (quite a number of folks did). This little bugger is working like a champ now!

It turned out to be a weird intermittent failure in C38, of all things! Just took me some time to figure out what was right and what wasn't. Perhaps the

details would be of interest to some otherwise don't bother with the rest of this message.

In a nutshell, it turns out that I never did get enough IF oscillator level at U8-6 and U8-7. I was sure something was preventing me from getting in-band product in the output of U8. It turned out that there wasn't enough IF level to mix with the PMO, and more than enough PMO, so that the mixer couldn't create enough in-band product. By the time you filtered out everything not in the pass band, there wasn't much of anything left. Too little signal upstream meant I wasn't going to get any downstream.

I tried swapping out the NE612 at U8 with an NE602 we had in stock, but that didn't help. In the process of fiddling with it though, trying to get it adjusted and figure out what was wrong, I began to notice that C38 was real finicky and seemed to be intermittently resistive, sometimes seeming to almost knock down the IF oscillator signal entirely. Then I realized that I wasn't getting anywhere near as much level at U8-6 as I was at U7-6. I realized that they were slightly different oscillator configurations, but it seemed like there shouldn't be that much difference (six or eight to one). I finally pulled C38 and replaced it with some fixed values and everything started to fall into place. And right away I could finally peak the PMO by looking at Q6, and before I knew it I had a dummy load heater!

Temporarily I have replaced C38 with a modified right angle trimmer cap like the modules use only lower value. I cut off the side legs, bent the center leg back, soldered a leg on the opposite end and created a reasonable facsimile of a C38 replacement. Then I added an 18 pf NP0 on the back across C38. Not only does it give it the right range of values, but it makes adjustment less sharp. I will just order a lower value C38 replacement out of my next Mouser order.

One last question. Do I understand correctly that the NE612 is an improved replacement for the NE602? How significant is the difference? Is it worth swapping the 602 I have in there now out when I can get a 612 to replace it with? I'm not concerned about damaging the board, sure I can change it with no problem, but wondering how different the parts are.

Now I just have a few little details left and I'm on the air with it. Noise blanker has to get mounted, msg rec TX inhibit mod, etc. In the meantime, I have a nice new RF probe and a very slick FET probe for my counter, not to mention real intimate knowledge of the transmit circuits. (hi)

When I can get some pictures posted on the web I'll have to show you the very cool way I found to heat sink a TO-220 PA. Better than mounting the tab to the back panel. I used an NTE 342 and built L10 as a 4:1 bifilar transformer as other have done. On 40m I can get way more power than I need without even warming up the PA. Lets just say that with the drive knob all the way up, the KC-2 power meter stops counting at 9.9 and a DMM agrees. I'm

keeping it down to 5W or less for now just in case. Going to have to build a poor man's spectrum analyzer soon to see what the spectral purity looks like.

Anyway, thanks all. Going to finally hit the sack now.

Great big 72!

- Tom
_/_/_/

building work anymore without it. Then I pre-tin the completely bare wire. Finally I solder the leads into the board. I just don't see how that technique can fail to make a perfect connection. Using a 5.5 digit ohm meter I have measured through the toroids on the module to confirm continuity. I get reasonable sounding (around 40 milliohms) similar resistances through L3 and L4, and about double the value through the pair, further confirming that there is no poor solder connection to them.
I went back and re-checked these settings from the beginning. 1. VFO Freq at full engagement (dial set to 150) 2.93500x MHz (C52 at about 55% engaged, C53 = 200 pf)
2. VFO at zero dial setting 3.083xxx MHz
3. PMO osc freq at 15.0000x MHz, very steady
4. PMO level at Q2-S peaking easily to 1.2 Vac p/p with a +1.85 Vdc offset on my scope, reading 576 mVdc with the RF probe (per Wayne's design except I used a 1N5711 Schotky instead of the germanium 1N34). The PMO frequency (with 40m module) is the correct sum of VFO frequency plus 15 MHZ, right on the money, 5. U8-1: 400 mV pk/pk with a +1.44v DC offset on keying with the scope, and about 215 mVdc with the RF probe, clean near-sine wave. 6. U8-6: 300 mV p/p with a +8 Vdc offset with the scope, 126 mVdc with the RF probe (after ~20s settling time), when keyed. Frequency adjusted to 4.9150 MHz with counter and homemade FET probe (100 pf into a 2N4416, 10Mohms to GND, followed by a 2N5179 all with appropriate biasing). 7. U8-7: 200 mV p/p with a +7.3 Vdc offset with the scope, 122 mVdc with the RF probe (after ~20s settling time), when keyed. A kind of lazy sawtooth wave, frequency counter to having difficulty counting accurately (slightly higher apparent frequency, 2.5 digits more jitter on the counter). 8. U8-4: Nice RF modulated waveform about 800 mV p/p on the scope, about 500 mVdc with RF probe (after ~20s settling time)
9. J5-16: An analog of the modulated signal on U8-4, but 1/4 the amplitude, 200 mV p/p with scope, 29 mV with RF probe. Frequency counter picks out 12.45MHz from the modulated signal. All with keydown. 10. J5-13: almost no signal, maybe 40 mV p/p sine wave with the scope, 0.5 mV with the RF probe. Frequency counter showing 7.85 MHz but so little signal, difficult to say its really counting it, pretty unstable past the MHz digit.
11. Q7-B (measured at T2-3&4): about 300 mV p/p sine wave with the scope, 70 mVdc with RF probe, on keydown.
12. Next, I took the 40m module out. I injected a 200 mV signal through a 10:1 scope probe (20 mV at the module), and by sweeping the constant amplitude signal generator, found one peak at about 7.5 mHz and a stronger peak at 8.1 MHz. Re-peaking C33 and C36 to get the strongest peak out at 7.050 MHz with this setup, I can get what looks like better than 6dB gain through the bandpass filter (almost 6:1 voltage gain). What is actually happening I guess is that the input gets loaded down as it gets properly coupled with the output, but you see a much larger output than input, giving the appearance of gain when you look at the input and output at the same time.
13. Putting the module back in, I get less than half the signal out that I was getting before. ~13 mVdc with the RF probe as opposed to 29 mVdc. It

still looks like almost 200 mV p/p with the scope, maybe 180 mVdc, but with different shaped modulation. The frequency counter thinks it sees about 6.5 MHz at J5-13.
14. I have pulled Q5 to determine if it was pulling the signal down, but got no change in the signal that would drive its base. Swapped it with a similar 2N5486 which I had in the parts bin just to see if it would make a difference, but the same results. The J310 tests very good on an old Heathkit transistor and FET checker.
15. I have measured the value of R11 in circuit and confirmed that it is about 5.1k.
16. I have measured R37 and confirmed about 220 ohms.
17. I have checked J5 for shorts both visually and with an ohm meter. 18. I have removed L11 to check Q5-S for a short to ground, and confirmed its inductance.
19. I get peaking of the output from adjustments to C33 and C36, confirming that they are at least functioning, I just can't peak it with enough signal to turn on either Q6 or Q7.
20. I injected a 300 mv 7 MHz signal from a signal generator into J5-16 and could still not get enough output to turn on the driver or PA. The keying line looks fine, solid drive.
I'm beginning to think there might be a problem with U8, but I confess this is a bit beyond me. My thinking goes like this:
1. If I have good strong signals at the correct frequency going into the transmit mixer both from the IF oscillator and from the PMO, 2. And if I get a strong modulated signal at the output on pin 4, 3. And then if I pass that through a bandpass filter that is tested and known to be tuned to 7 MHz 4. If the result is that the output of the bandpass filter is almost no signal 5. Does it mean that the mixer somehow isn't producing any appreciable 7 MHz spectrum in the mix? A spectrum analyzer would be very handy about now.
I have to say that troubleshooting this problem has helped me learn quite a lot, but it is beginning to get discouraging.
I can swap out Q6, but it doesn't seem promising, hate to muck with the board without good evidence.
Can't think of anything else to add at this point.
Any suggestions or advice would be most welcome.
72
* Tom
_/_/_/

To: tscott@eni.net
Cc: qrpbob@datatamers.com
Subject: Re: Sierra, low signal from buffer/driver circuits...

Hi Tom,

>1. U8-1 PMO input to the TX mixer about 2.9 V p/p AC with a 1.4V DC offset
>on key down.

This is WAY too high. I don't know why it would be so high. It should be more like 100-200 mV p-p. Perhaps the PMO BPF is tuned to the wrong frequency.

>2. U8-6, 500 mV p/p Sine wave, but IF Oscillator not on frequency, cannot
>seem to pull to 4.915 MHz. C38 seems to peak the level more than adjust the
>frequency. My Emmco 2800 frequency counter can't count this signal for some
>reason even though it will usually handle signals as low as 5mV. On my scope
>the frequency looks like 3.33 MHz, but maybe my scope probe is de-tuning it.
>I may try a different probe on the counter to see if I can count this
>better.

This is hard to measure at pin 6. Try pin 7, which is buffered.

>3. U8-4 1.1 V p/p
>4. J5-16 325 mV p/p
>5. Q5-gate, 75mV p/p signal that looks like it has some RF on it. Unkeyed
>there is about 70 mV noise, but it doesn't show the RF modulation that it
>picks up when keyed.
>6. Q6-base, 70 mV p/p

All the above values are low, probably because the TX BPF or PMO BPF is tuned to the wrong frequency.
Are your results the same on more than one band?

>I can't figure out where the nice signal at U8-4 is getting stepped on!?
>It's a nice modulated RF signal coming into C31 and then almost in the noise
>on the other side of C31. I tried paralleling an 18 pF NP0 cap I had on the
>bench across C31, but that made little or no difference.

Usually problems like this end up being non-stripped toroid leads, even for me, and I've wound several thousand!

>I was pretty sure I had the transmit mixer sideband filter peaked fine. But
>just in case the module was the problem, I decided to test it with a signal

>generator and a scope. I took the band module out and hooked up a Tek 191
>signal generator with about 7 MHz 30 mV p/p signal across the card fingers
>for J5-16 and a gnd, and then looked with the scope at J5-13 and gnd. The
>signal level actually looked to have picked up some gain and the trimmers
>peaked very easily. Putting the module back in, I discovered no improvement
>in drive signal at Q5 or Q6. I then re-checked the peaking on C33 and C36
>and found it to still be very good.

But is the PMO BPF also working? You could use the same signal injection technique.
Let us know if this gets you anywhere!
73,
Wayne
N6KR

Date: Sun, 6 Feb 2000 07:59:56 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62293] Re: P-Touch labelmakers
Message-ID: <000701bf70a2$12653a20$e8746395@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

Went through the same dilemma at the local Office Depot yesterday. After comparing the models, I settled for the Brother PT-75. One very important thing to consider is the operating costs (labels), unfortunately all models I checked use 6 alkaline AA batteries. Time to buy rechargeable alkalines, Wall-Mart has a very good deal on them. It's claimed they won't develop "memory" and can be recharged up to 100 times.

Good luck.

Vince, VA3VF.

----- Original Message -----
From: "Dave" <dodgeboy@mindspring.com>

There was a recent thread dealing with labelmakers where a few guys said the

P-Touch was good.
Which P-Touch model -- the Hobby III or one of the more expensive ones?
Does anyone have any opinions on the P-Touch line or other ones? I've been

---

Date: Sun, 6 Feb 2000 08:22:32 -0500 (EST)
From: QRP <qrp@email.com>
To: qrp-l@Lehigh.EDU, cqclist@cqc.org
Subject: [62294] QRPp Low Power Award
Message-ID: <383618501.949843352990.JavaMail.root@web06.pub01>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRPp Low Power Award for QSOs at less than one watt:

http://www.qsl.net/wb0jnr/eft.html

-
--

FREE! The World's Best Email Address @email.com
Reserve your name now at http://www.email.com

Date: Sun, 6 Feb 2000 05:27:53 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [62295] FYBO es 20 METERS IN TEXAS
Message-ID: <20000206132753.15848.rocketmail@web222.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello y'all - -

Did anyone in Texas (or other places, for that matter) struggle with
pretty ratty conditions on 20 during the FYBO yesterday? Or was I just
in the black hole of twenty meters?

72's es 73's,

Brad, W5CGH

=====
Brad Bradfield, PE Test Staff Engineer
W5CGH (ex WB0CGH) SpectraPoint Wireless LLC

Real men talk with their fingers!!

NORTEX QRP-L #377 QRP-ARCI #10012 SMIRK #4906
ARS #72 NORCAL Austin QRP Club #i
_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sun, 6 Feb 2000 06:28:29 -0700
From: "Rod, N0RC" <n0rc@yahoo.com>
To: <dodgeboy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [62296] Re: P-Touch labelmakers
Message-ID: <007901bf70a6$2e326580$ab101004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Dave

Pretty much any P-touch will do. Just get one that will meet you needs. They differ in the type of tape, size of tape, keyboard size and ability to print special characters. For my needs I chose the PT-330.

Buying tip: If you don't mind shopping from web sites checkout Price Scan, http://www.pricescan.com/ there you can scan prices from many suppliers to get the best price. For example the 2500pc ranges from $179 to $211!

Finally, Brother has a web site at www.brother.com where you can pour overs specs and features of the different models.

GL

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----
From: Dave <dodgeboy@mindspring.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, February 05, 2000 8:56 PM
Subject: OT: P-Touch labelmakers

> There was a recent thread dealing with labelmakers where a few guys
said the
> P-Touch was good.
> Which P-Touch model -- the Hobby III or one of the more expensive
ones?
> Does anyone have any opinions on the P-Touch line or other ones?
I've been
> thinking of getting one, but there isn't much info or selection at
my local
> Office Depot.
> Thanks.
> Dave K8TRF
>
>

_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sun, 6 Feb 2000 07:49:36 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <tscott@eni.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62297] Re: Fixed it! Sierra, low signal from buffer/driver circuits...
Message-ID: <002f01bf70a9$02632860$215c32cf@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Tom Scott" <tscott@eni.net>
> One last question. Do I understand correctly that the

NE612 is an improved
> replacement for the NE602? How significant is the
difference? Is it worth
> swapping the 602 I have in there now out when I can get a
612 to replace it
> with?

I think it works the other way. The '602 has somewhat
better specs, but "they" say that for HF use they're pretty
well interchangeable.

72,

Nick, WA5BDU

Date: Sun, 6 Feb 2000 07:51:36 -0600 (CST)
From: Joe Reed <joe@n9jr.dyndns.org>
To: Dave <dodgeboy@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62298] Re: OT: P-Touch labelmakers
Message-ID: <Pine.LNX.4.05.10002060749430.4736-100000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The P-Touch label makers are great. We use them extensivly in the
computer business. And I have been using them to make labels in shack a
long time. Plus you can get a variety of tape cartidges for them,
including clear if you are so inclined.

Joe N9JR

On Sat, 5 Feb 2000, Dave wrote:

> There was a recent thread dealing with labelmakers where a few guys said the
> P-Touch was good.
> Which P-Touch model -- the Hobby III or one of the more expensive ones?
> Does anyone have any opinions on the P-Touch line or other ones? I've been
> thinking of getting one, but there isn't much info or selection at my local
> Office Depot.
> Thanks.
> Dave K8TRF
>
>

Date: Sun, 6 Feb 2000 07:53:41 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <b_bradfield@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62299] Re: FYBO es 20 METERS IN TEXAS
Message-ID: <003d01bf70a9$9560db80$215c32cf@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Brad Bradfield" <b_bradfield@yahoo.com>
> Hello y'all - -
>
> Did anyone in Texas (or other places, for that matter) struggle with
> pretty ratty conditions on 20 during the FYBO yesterday? Or was I just
> in the black hole of twenty meters?
>

Seemed crummy to me too, here in Arkansas. Hadn't worked much 20 recently, so wasn't sure. But few 6's and 7's or 1's and 2's were even heard. No VE's worked. That doesn't sound like the real 20 meters.

72,

Nick, WA5BDU

Date: Mon, 7 Feb 2000 08:10:18 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62300] Re: Radials Info -- again
Message-ID: <009901bf7175$56d6e720$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yep, I've found that laying a resonant 40 meter dipole on the floor (ground level) causes it to lose one or more megahertz.

Dan W. Dooley WB5TKA
   e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

----- Original Message -----
From: Ade Weiss W0RSP <aweiss@usd.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, February 06, 2000 12:19 AM
Subject: RE: Radials Info -- again

>
> Nor is a dipole laid on the ground resonant at its formula frequency.
>

Date: Sun, 6 Feb 2000 09:43:53 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <ianpurdie@integritynet.com.au>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62301] Re: How many Amateur Radio-related projects have you have you built in the last year?
Message-ID: <009c01bf70b2$5ccea780$3b25fea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Michael C Boatright wrote:
>
>> How many Amateur Radio-related projects (equipment, antennas or
>> software) have you built within the past year?
>>
>> 1-2   29.2 % (354)
>> 3-4   26.0 % (315)
>> 5-6   9.2 % (112)
>> More than 6   13.4 % (162)
>> None   22.3 % (270)
>> Total votes: 1213
>

>I suspect if the same survey were conducted 10, 20, 30 or perhaps 40 years
>ago it would yield similar results. Before that time (or even 40 years
>back) more HB was evident simply because necessity was the "mother of
>invention".
>
>I believe overall, HR is in "good shape" given the advances in technology
>coupled with a myriad of competing interests / distractions.
>
>Ian Purdie

I originally thought you were right Ian, but in thinking back, I
wouldn't be surprised if it were even better, even much more
'active' today by comparison than you originally think.

I think that in one respect, HAMs tend to build more when they
are 'new' to the hobby. Then get 'settled down' as their station
takes shape.

And YEARS ago, like 40 or more, I think the projects weren't
as 'detailed' as they are now. Or as 'simple'. Starting in the
60's with the spread of solid state, HAMs started seeing
more and more simple projects that are easy to build. As
the solid state market evolved, so did the HAM project list.
Nowadays, it's truely amazing what can be 'banged out' on
a 3x5 inch piece of perfboard. Especially with the widespread
availability of microprocessors, especially PICs.

It may be tough to tell, looking back. But just think what a HAM
from those times would think if they could be brought forward
in time to see the things you build now!

Mike

Date: Sun, 6 Feb 2000 10:03:40 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [62302] KIT: Version 1.1 of the NoGa PiG documentation has an error
Message-ID: <66FCE0D1DF76D311913800805F6D0FA3669C47@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

First check the documentation verison # that is printed on the cover page.
If it's ver 1.0 ignore this message.

But Version 1.1 of the NoGa PiG documentation has an error on page 3 that everyone needs to be aware of.

D1 is a 5.1v Zener Diode. It's nomenclature is 1N5231. The documentation shows this to be a 1N5245.

D2 is a 15v Zener Diode. It's nomenclature is 1N5245. The documentation shows this to be a 1N5231.

As you can see, everything in the documentation is ok except the part numbers have been transposed.

One additional item that we discovered is that these two diodes may be both black and white banded and lettered so you need to get out the magnifying glass and be sure that you have one of each value.

Otherwise, a number of PiGs are in service and performing perfectly. Several have already had the keyer circuit added and they also are working flawlessly.

We think that all of the documentation has been changed manually and the parts bags double checked to be sure that there was one of each value diode in the bag.

The only kits that we could not catch were the ones that went to the Jackson, MS hamfest.

Let us know if you have a problem and we will make it right. For more info about the PIG check the NOGA web page.

Sam Billingsley   AE4GX Atlanta, GA
personal web page at http://ae4gx.home.mindspring.com/
North Georgia QRP Club web page at http://www.qsl.net/nogaqrp/

Date: Sun, 6 Feb 2000 10:25:42 EST
From: KR0Y@aol.com
To: qrp-l@lehigh.edu
Subject: [62303] Re: P-Touch labelmakers
Message-ID: <6d.10da6b0.25ceec76@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 2/6/00 7:01:24 AM Central Standard Time, vferme@sprint.ca writes:

<< Time to buy rechargeable alkalines, Wall-Mart has a
 very good deal on them. It's claimed they won't develop "memory" and can be
 recharged up to 100 times. >>

I've been using the rechargable alkalines (Rayovac) for a while now, in my 2 meter portable (ICOM IC T-2A), and I've also used a pack of 8 of them to run my DSW-40. They seem to be great for this type of use. <G>

   John - KR0Y

Date: Sun, 06 Feb 2000 10:10:24 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62304] Re: FYBO es 20 METERS IN TEXAS
Message-ID: <002701bf70bc$afb4fda0$e3773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I was at the K5RAC setup most of the day and 20m worked okay for us but it could have been better. When I got home things picked up a bit around sunset as usual except for the aurora flutter on many signals. 10m was excellent but it didn't take long to work everyone in the contest.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
http://home.swbell.net/aa5tb
http://www.geocities.com/aa5tb

Date: Sun, 06 Feb 2000 11:14:29 -0500
From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-l@Lehigh.EDU>
Subject: [62305] FYBO / FUBAR: QRPp mayhem.
Message-ID: <389D9DE4.A7DEDD42@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I'll just skim over some of the gory details. Just let it be said that there be a serious attempt at a manual for the FYBO Fanatic, requiring some very serious effort to state things "in the positive". There were good moments.... like my final Q with Randy, K7TQ in ID. The DSW-20 modified for 900mW and 20m EDZ really did punch a signal out there, even tho the band didn't seem that busy. The antenna had gone up like a dream.

Problems started with 2- nights-before preparation when I smoked the 12v input circuit to the Poqet Plus (for logging) by assuming (at 1:15 a.m.) that the shield of that nice power cord was ground. (!??!) Fortunately, the battery part still worked.

Then I got the 4-w.d. car stuck... TWICE by underestimating the snow depth on the access trail. No problem w/cold as I already beat and hot/sweaty after digging out the car, packing all the stuff to the site and setting up. Then an unused 12v coaxial pwr plug leg-humped one arm of my tuner ground wing nut and proceeded to incinerate the wire to the 12v Makita drill battery before I could figure out where all the smoke and noise was comming from. The batt. wasn't yet in its usual location... my pocket. (to keep it warm)

After improvising 12vdc wiring, I found that the Poqet LCD didn't work at all at 18 F. when I started -or even 25 deg. later. After my 3rd Q (Rich, K5RAC in TX) I thought all was in order when the keyer/annunciator on the DSW-20 went nuts. Switched to the 40+ with separate TICK-4 keyer... no go. No straight key, either. I actually tried to bring the rig into my Carhart "monkey-suit" for warmth but that was a bust due to lead-lengths and restricted range of operator movement. I did my best, enjoying a nice day scouting antenna sites, for 10 widely spaced Q's by warming up the rig in my clothes and working one or two before it went brain-dead again. Got some real work to do, there.

Sure am glad I didn't try to write this last nite. Next year I'm really going to get organized.
72
-s-
AA1MY

Date: Sun, 6 Feb 2000 11:50:06 -0800
From: "GARY McCAUGHEY" <MAIL4GARY@worldnet.att.net>
To: <qrp-l@lehigh.edu>
Subject: [62306] HELP-Need Schematic for Autek QF-1A

Message-ID: <004101bf70db$63b331a0$0edc4d0c@garymcca>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks for reading. Got a QF-1A yesterday for a song
because it has a blown power supply (and who knows what
else). Have to start with the power supply first. Any one
have a schematic they can copy for me. Will pay for your
trouble.

Thanks
Gary
W2UX
Lexington, SC

CW is the REAL THING, USE IT or LOSE IT!

Email or snail mail, your choice. Thanks

Gary McCaughey
324 Rollingwood Drive
Lexington, SC 29072

mail4gary@att.net

Date: Sun, 6 Feb 2000 09:58:54 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>, <gdslagel@yahoo.com>
Subject: [62307] Re: FYBO from Colorado
Message-ID: <019c01bf70c3$cbe3c9a0$5448460f@snp.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sri I missed u Gary!

I sat on a lil' hill just behind the house where I've got my 40m inv. L
setup. The sunrise was spectacular (34*F) as I worked a W5/m to test out the
K2 w500mW on 40m w/my home brew ZM-2. After working more w/Z-match I'm
beginning to really love this lil' tuner ...it'll match most anything. AND
with careful tuning the LED does go OUT!!

What a absolute FYBO BLAST!! I decided to run less than a watt and started w/800-900mW but that was to EASY!

So, I dropped to 100mW this was definitely tougher Makes you very patient! ....but I was still baggin' reports!!! Unbeliveable! It's really got me hooked on this milliwatting stuff! No hope for me now.

It made me awhere of how good my antenna is maybe performing. At my FYBO site on the hill I only had about 17 feet of feedline(twinlead) to the base of the vertical(inverted L). I noticed the antenna seemed to be hearing pretty good and I could work almost everyone I could hear! With under a watt no less!

BUT back in the house(shcak) at the end of some 250' of feedline(double RG6 that goes underground thruogh 6" plastic pipes to the ATU - the signals don't seem as strong or I can't seem to raise as many reports! Guess it's time to try a different leedline setup humm? Is it possile to hear a few dB loss on rcvd signals or do rigs just seem to work better out side like food taste better out side???

I ran only 4 hours cuz need to get to my H/DO list. About 30Qs ...but sure did have fun with mWing!

Thanks to all who hung in there asking for repeats! You're true QRPers! You know QRP isn't just turning down the wick but acquired listening skills are key! What a great gang of finger tappers! THANKS!

HEY how about another multiplier for under a watt next year? This is a QRP contest isn't it? How low can we go?

TU, Steve/n0tu

-----Original Message-----
From: Gary Slagel <gdslagel@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, February 05, 2000 9:56 PM
Subject: FYBO from Colorado

>Just sent the log into Roger. Saw all FYBO
>conversation and thought I'd send it to the group.
>Had a pretty good outing even though I was late
>setting up and early getting back. Hiked into Pike
>Nat'l Forest and got going about noon. My
>Sierra/Wire/ZM2 tuner did fine on 20 meters but didn't
>hear a thing on 40 or 15.

>
>Anyway... had a great time. Below is the log.
>02-06-00 16:00 K7TQ   14   CW   579 569   ID
>U.S.A.   RANDY X
>02-06-00 16:00 K5OI   14   CW   579 579   NM
>U.S.A.   TIM   X
>02-06-00 16:00 K5AAR   14   CW   579 559   OK
>U.S.A.   DAN   X
>02-06-00 16:00 K7FD   14   CW   579 599   OR
>U.S.A.   JOHN   X
>02-06-00 16:00 KF9D   14   CW   579 579   IL
>U.S.A.   ROGER   X
>02-06-00 16:00 VE6EWM   14   CW   579 579   AB
>CANADA   EARL   X
>02-06-00 16:00 AB5UA   14   CW   569 569   OK
>U.S.A.   CLIFF
>02-06-00 16:00 KB7OVS   14   CW   579 569   NV
>U.S.A.   TOM   X
>02-06-00 16:00 WA4QDM   14   CW   569 459   VA
>U.S.A.   JOHN   X
>02-06-00 16:00 WD7Y   14   CW   579 579   NV
>U.S.A.   ED
>02-06-00 16:00 AD6A/7   14   CW   569 569   AZ
>U.S.A.   DAVE   X
>02-06-00 16:00 AK7Y   14   CW   459 559   AZ
>U.S.A.   GREG
>02-06-00 16:00 W6FZA   14   CW   579 579   CA
>U.S.A.   ALAN   X
>02-06-00 16:00 NK7M   14   CW   569 579
>U.S.A.   BOB
>02-06-00 16:00 K0LWV   14   CW   569 569   MO
>U.S.A.   LARRY   X
>02-06-00 16:00 AC6KW   14   CW   459 559   AZ
>U.S.A.   DOUG
>02-06-00 16:00 KI6DS   14   CW   569 559   AZ
>U.S.A.   DOUG
>02-06-00 16:00 KO4PY   14   CW   459 559   NC
>U.S.A.   BRENT   X
>02-06-00 16:00 K7RE   14   CW   579 559   AZ
>U.S.A.   BRIAN
>02-06-00 16:00 W6WY   14   CW   569 689   CA
>U.S.A.   PETE
>02-06-00 16:00 WQ0RP   14   CW   569 559   MN
>U.S.A.   MERT   X
>02-06-00 16:00 KN6YD/M   14   CW   569 579   CA
>U.S.A.   JEFF
>02-06-00 16:00 KO4PY   14   CW   569 559   NC
>U.S.A.   BRENT

>02-06-00 16:00 N7VE   14   CW   459 579   AZ
>U.S.A.   DAN
>02-06-00 16:00 WT8P   14   CW   559 559   OH
>U.S.A.   JOE   X
>02-06-00 16:00 AB6MB   14   CW   569 559   CA
>U.S.A.   JEFF
>02-06-00 16:00 K6TV   14   CW   569 559   CA
>U.S.A.   TOM
>02-06-00 16:00 AB8DF   14   CW   579 449   MI
>U.S.A.   ED   X
>02-06-00 16:00 KR6LP   14   CW   569 559   CA
>U.S.A.   BARRY
>02-06-00 16:00 W6WO   14   CW   579 589   CA
>U.S.A.   RON
>02-06-00 16:00 K5VR   14   CW   589 589   AR
>U.S.A.   STAN   X
>02-06-00 16:00 AC6UV   14   CW   569 559   CA
>U.S.A.   GODY
>02-06-00 16:00 NW7DX   14   CW   589 559   WA
>U.S.A.   BEN   X
>02-06-00 16:00 K6RPN   14   CW   579 559   CA
>U.S.A.   DOUG
>02-06-00 16:00 AB5PC   14   CW   559 599   CA
>U.S.A.   DAVE
>02-06-00 16:00 AA9NF   14   CW   559 599   IL
>U.S.A.   PETE
>
>=====
>Gary Slagel/N0SXX
>Conifer, CO 80433
>gdslagel@yahoo.com
>Personal Website: http://marina.fortunecity.com/sanpedro/351
>_____
>Do You Yahoo!?
>Talk to your friends online with Yahoo! Messenger.
>http://im.yahoo.com
>

Date: Sun, 6 Feb 2000 11:00:15 -0600 (CST)
From: "Timothy H. Heaton" <theaton@usd.edu>
To: Fred Lesnick <flesnick@tbaytel.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, FT100@onelist.com
Subject: [62308] Re: Radio Aurora Maybe
Message-ID: <Pine.SOL.4.03.10002061051500.5951-100000@sunburst.usd.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 6 Feb 2000, Fred Lesnick wrote:

>6 metres has been wide open for hours......we do have a great light show in the
>sky from my location..
>Fred VE3FAL
>Thunder Bay,Ontario

I heard incredible aurora flutter last night on 20 and 40 meters, and I heard a California station late on 20 meters that I'm sure I was only hearing via aurora bounce. Then, to top it off, I think I heard my own auora bounce. My Yaesu FT-100 has full break in CW mode, so even at 30 WPM I can receive briefly between the dits. And what I heard (I believe) was my own echo with full auora flutter! It was great. I went outside to look at the sky but didn't see anything. Any reports from up north?

-Tim (WB7NMY) South Dakota

Date: Sun, 6 Feb 2000 09:59:50 -0700
From: "Dave Ek" <ekdave@earthlink.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [62309] new Ham Kit Builder web page
Message-ID: <000b01bf70c3$957268e0$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I was looking for someplace to consolidate a few kit-building resources I've created (my kit-building class, Elmer 102, etc.) so I decided to start a new web page devoted to ham kit building. The purpose behind the page is to provide information, resources, links, etc regarding ham kit building, especially aimed at newbies. The URL is

http://home.earthlink.net/~hamkitbuilder

but there isn't a whole lot there yet besides stuff from my kit building class, Elmer 102, and some links.

I'd love to add more stuff to this site. If you have articles, reviews, links, hints & tips, or anything else that you've written or used, send me an email and I'll add them to the site.

73,

Dave AB0GO

Date: Sun, 06 Feb 2000 12:01:35 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Joe Spencer <KK5NA@quadj.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62310] Re: It's Time
Message-ID: <389DA8EF.F495C622@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for the good words. I'm going back and forth about ordering the
ATU up front with the K2 but the more I think about it, since it will
turn out to be my feild rig I'll probably get it.

Joe Spencer wrote:
>
> Good move Skip!
> You will love it!
> The most fun I have had building a kit ever! And the camaraderie,
> helpfulness, and knowledge of the K2 builders group is great! As well
> as the great support of the folks at Elecraft.
>
> I am putting together the SSB option now and anxiously awaiting
> the ATU.
> Operated #685 (Dwain's) today in the field for FYBO and mine #799
> here at home this evening for the last 2 hrs.
>
> 72/3 Joe KK5NA
> Hope you enjoy it as much as I have.
>
> ----- Original Message -----
> From: T.J. "SKIP" Arey N2EI <tjarey@home.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Saturday, February 05, 2000 19:33
> Subject: It's Time
>
> > Well I've printed out my order form for a K2. I guess I have about two
> > weeks to get a new tip for my soldering iron.
> > --

> > ++
> >
> >   T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com
> >
> >   Website   http://members.home.net/tjarey
> >
> >   Snail Mail: PO Box 236, Beverly, NJ 08010
> >
> >   Specialization is for insects!   LAZARUS LONG
> >

--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Sun, 06 Feb 2000 10:11:49 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: Paul Womble <pwomble1@tampabay.rr.com>
Cc: qrp-l@lehigh.edu
Subject: [62311] FYBO Results
Message-ID: <200002061711.LAA08978@chupacabras.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Paul - You asked about my FYBO operation:

"What antennas were you using?

Being on all bands is difficult while portable."

My FYBO antenna is simple. I use parallel half wave dipoles for 40 M, 20 M, and 10 M erected as an inverted Vee. The 40 M antenna works OK on 15 M as a 1.5 wavelength dipole. I use a air core wound choke balun at the feedpoint. For the center pole I use a 17 ft paint roller extension pole that I got at Home Depot. The pole sits in a pipe nipple attached to a board with a loor flange. I usually operate from picnic areas and clamp the pole about a third of the way up with a TV mast clamp attached to a board which is clamped to the shelter with a C-Clamp. If there is no

shelter handy the pole can be guyed or supported by a similar pipe nipple/floor flange arrangement on a flat board that a car tire is driven over.

I can set the whole thing up by myself in half an hour.

I feed the antennas with RG-58 or equivalent. Instead of one long length I carry several shorter lenghts which reduces feedline loss a bit.

The rig is grounded with a simple ground lead (10 ft with alligator clips on both ends) to reduce wind and precipitation static. If there is no metal thing sticking in the ground I use a screwdriver of tent stake stuck in the ground.

I looked at the 24 ft model of the same pole and rejected it as being too floppy. However these are more sturdy than they appear and I might change my mind on the longer one now. However, I think the junction closest to the ground which is conveniently located on my 17 ft pole is higher in the 24 ft model, which may make it harder to extend.

When operating portable I consider location to be of the most importance. I look for sites that have sloping ground in at least one direction. For contests it is helpful if that direction is heavily populated by hams. Sites that have some sort of shelter are preferred.

I have located and operated from two very good sites in NM and have my eye on two more. The four corners monument is pretty good too but the ground does not slope as steeply as at the other two sites.

Oh yes I also used this antenna on 80 M nd 160 M, but the contacts were at short distance and I do not recommend it for those bands.

I hope that this answers your questions.

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

>From: Paul Womble <pwomble1@tampabay.rr.com>
>To: jamesd1@flash.net
>Subject: Re: FYBO Preliminary Results
>Date: Sat, Feb 5, 2000, 08:18 PM
>

>What antennas were you using?
>
>Being on all bands is difficult while portable.

>
>73
>Paul AJ4Y
>
>--
>Polk County Chapter American Red Cross:
>http://www.redcross.org/fl/polkcounty
>Florida Contest Group:
>http://www.qsl.net/fcg
>
>
>

Date: Sun, 06 Feb 2000 10:15:42 -0700
From: Ray Colbert <af852@rgfn.epcc.edu>
To: MAIL4GARY@worldnet.att.net
Subject: [62312] Re: HELP-Need Schematic for Autek QF-1A
Message-ID: <389DAC3E.434A6C0D@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

go to http://bama.sbc.edu/autek.htm and you can either
download as a pdf or read it and capture page by page on
the images.
For those that are looking for manuals I again suggest that
one should look at http://bama.sbc.edu/ website first.
73
Ray

--
"The more I see of the representatives of the people,
the more I admire my dogs."
letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com   El Paso,(FAR WEST) TEXAS

Date: Sun, 6 Feb 2000 09:37:47 -0800 (PST)
From: "James C. Owen, III" <k4cgy_list@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [62313] Re: P-Touch labelmakers

Message-ID: <20000206173747.19383.qmail@web1605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I went through this about a year ago. I bought a
P-touch model PT-300. It does a great job and while
the labels are fairly expensive you can get them about
1/2 price on ebay. In fact I purchased the PT-300 on
ebay as a factory reconditioned unit. I forget the
exact price but it was about $30.00. Do a search or
ebay with the key words of Brother P-touch. There are
several companies there that sell new and factory
reconditioned units.

73 Jim K4CGY

_____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Sun, 06 Feb 2000 12:32:03 -0500
From: Thomas Jennings <jennings@eznet.net>
To: qrp-l@lehigh.edu
Subject: [62314] FYBO: KV2X's log
Message-ID: <389DB013.F407A454@eznet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

After running some errands and working most of the day down in the
basement,
I took a break and went out to the snow covered driveway and hopped into
my truck
to give FYBO a try before dinner. It was coooold out there!

			RST					
TIME	FREQ	CALL	SENT	REC	SPC	NAME	PWR	TEMP
2240	~7.04	WQ3RP	559	559	MD	Chris	5w	29F
2245	~7.04	NQ9RP	559	559	WI	Rick	5w	33F
2306	~7.04	KF2EW	599	599	NJ	Ashley	5w	77F

Tom, kv2x

Date: Sun, 06 Feb 2000 11:08:46 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l@lehigh.edu
Subject: [62315] Re: Radials Info -- again
Message-ID: <200002061808.MAA13634@chupacabras.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hey Dan- You wrote:

"Yep, I've found that laying a resonant 40 meter dipole on the floor
(ground
level) causes it to lose one or more megahertz."

Where do those megahertz go when you lose them? The same place the dent in the bumper goes when it is pounded out? Do they revert to megacycles (per second)? :^)=.

Seriously: a good rule of thumb for number of radials and lengths is that there should be about 0.025 wavelengths between the radial ends. This is because currents in the typical ground die out in roughly this distance so most of the current induced inthe ground will not be picked up by longer radials. Of course the distance is somewhat dependent on the quality of the ground.

I hope that this helps. - Dr. Megacycle KK6MC/5

Dan W. Dooley WB5TKA
   e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 06 Feb 2000 11:19:18 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l@lehigh.edu
Cc: MAIL4GARY@worldnet.att.net

Subject: [62316] Autek QF-1A and other Boat Anchor Manuals
Message-ID: <200002061819.MAA25780@chupacabras.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Gary - The BAMA (Boatanchor Manual) web site has a PDF file for the
QF-1A.

http://bama.sbc.edu/

This is a good site for other "Boat Anchor" manuals as well so it is a
good place to stop after you have been to the swap meet.

Even Auburn fans are welcome. :^). - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 06 Feb 2000 11:31:55 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: jamesd1@flash.net
Cc: qrp-l@lehigh.edu
Subject: [62317] Re: FYBO Preliminary Results
Message-ID: <200002061831.LAA24690@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:12 PM 2/5/2000 -0700, you wrote:

>
> I worked lots of Az SQRPIONS. Is there a prize for most worked SQRPIONS
> like there has been in the past? Joe, AB7TT was also missing but I
> suppose his business is very stressing these days. It took me awhile to
> get used to Bob and Brian's new calls. Floyd was operating NQ7RP - is
> that a Club call??

There wer quite a few ScQRPions on the test. Jim, if you think you had
problems
getting used to Brian's and my new calls, I really did. Kept trying to send my
old one, and in one case, did, and had to go back and admit it and correct it
:^) Lots of fun, tho, and more detail later.

Yes, NQ7RP is the club call, and Floyd usually uses it. Heard three other club

calls, and got them all.

Bob Hightower NK7M
Chandler, AZ

http://www.extremezone.com/~ki7mn

Date: Sun, 06 Feb 2000 11:36:30 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: dodgeboy@mindspring.com
Cc: qrp-l@lehigh.edu
Subject: [62318] Re: OT: P-Touch labelmakers
Message-ID: <200002061836.LAA25640@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:56 PM 2/5/2000 -0500, you wrote:
>There was a recent thread dealing with labelmakers where a few guys said the
>P-Touch was good.

Dymo has a new labeler, similar to the P-touch, but a bit smaller and less
expensive. Its called the Letra-Tag, and I got mine at Target. Supposed to
have them at WalMart, as well as other places. Does a fine job, and has 4
type sizes.

Usual disclaimers apply. They have a web site, www.letratag.com, I believe.

Bob Hightower NK7M
Chandler, AZ

http://www.extremezone.com/~ki7mn

Date: Sun, 06 Feb 2000 11:40:03 -0700
From: Lou Martin <lmartin@uswest.net>
To: qrp-l@Lehigh.EDU
Subject: [62319] QRP from Air Force Academy
Message-ID: <389DC003.63D92C35@clsp.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It was both a fustrating and rewarding first try at FYBO. I operated

during a Boy Scouts Freezoree from the "E Area" at the Air Force Academy, and managed to make a fair number of contacts between ham and eggs, potato cheddar soup, chicken fajitas, and peach cobbler (yes, our Troop is proud of our camp cooking!). Got home a couple of hours ago and decided to send this report.

Tuning the St. Louis vertical took a lot of time, but the experience was rewarding. Using 8 radials and a WM-2 I managed to set up it up for 15, 20, 40 and 80 meters. I started out on 20M and made a couple of contacts, then moved up the band to make a few SSB contacts to impress the Scouts. By the time 40M started opening up my NorCal paddles started to give me fits. During the QSO with WE6W/Ed, it began sticking and I had barely managed to complete the exchange. Thanks Ed for being patient. By this time, I decided to try the DSW-40, but had to reverse the di/dah connections on the paddles. Lost a insulating spacer in the grass before time ran out and called it quits.

See you in next year's FYBO.

LOU
KC0BBE
Monument, CO

Date: Sun, 6 Feb 2000 13:46:39 -0500
From: "Al Gritzmacher " <ae2t@arrl.net>
To: "Diz - WB8QYY" <wb8qyy@one.net>
Cc: qrp-l@lehigh.edu
Subject: [62320] Re: QRP Power designation
Message-ID: <200002061849.NAA16689@kahn.localnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

On 5 Feb 00, at 20:27, Diz - WB8QYY wrote:

> OK Al,
>
> Put up your fists :-)
> Where do you get tyhe idea that 1R5W has clarity ?

Sure, why not ;-)

Becaus it is what you would say, if you said it out loud.

One Point Five Watts --- 1 R 5 W

That's all.

If you knew it was power, say in a contest exchange, you might
drop the W.

The 'R' has always been the 'standard' CW symbol for the decimal
point in a number. Anything alse (except maybe a period - which is
quite long, CW-wise) adds confusion.

>
> 73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
> Loveland, Ohio - near Cincinnati; 39.218N - 84.305W
> FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493
> http://w3.one.net/~gentzow/wb8qyy.htm
>
> > What's wrong with ---
> >
> > 5W = 5 watts
> > 1R5W = 1.5 watts
> > 0R5W = 500MW = half a watt
> > 50MW = 50 milliwatts
> >
> > ...etc.
> >
> > Sure you save a character sometimes, but at the cost of clarity.
> > We're taught to use "R" as a decimal point. Let's reinforce that
> > practice by using it, not by creating another way to do things.
>

Al Gritzmacher, AE2T
ae2t@arrl.net

Welcome to year 2000, the last year of the Twentieth
Century and the last year of the Second Millenium.
2001 is the beginning of the new century and millenium.

Date: Sun, 06 Feb 2000 11:47:28 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [62321] FYBO Fun
Message-ID: <200002061847.LAA27639@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This year's FYBO was just as much fun as any other, maybe even more.....when we finally got to it!

Leisurely loaded the motorhome Friday morning, intending to go to Picacho Peak State Park to operate (the site of the only Civil War battle in Arizona). Stopped for gas, and noticed that a pencil thick stream of gas was puring from the bottom of the gas tank. Slinked back home, and took a couple of hours to do some repairs. With the leak fixed, we took off. Made OK, and set up the DK9SQ mast and K2, and played around in the Vermont and New Hampshire QSO parties until dark.

Got up Saturday and proceeded to work FYBO. Nice weather, no temp mult (was low of 41F), but fun. Switched to the High Sierra antenna on the MH to check it out, and while operating, heard a 'ping', thump, thump, thump'. The top 12" or so of the DK9SQ had snapped off cleanly, and the other noise was the whole thing collapsing into itself. Wrapped in wire from the ScQRPions Stinger antenna, I cleared up the mess, and went on with it.

Great fun. Finished with 39 QSO's, and only screwed my new call up a few times. Worked 20 and 40, since I couldn't find much on 10 or 15 (having so much fun on those other bands, I really didn't look, so,,,,sadly, missed Jim AL7FS).

Thanks to all for the contacts, and looking forward to QRPTTF!

Bob Hightower NK7M
Chandler, AZ

http://www.extremezone.com/~ki7mn

Date: Sun, 6 Feb 2000 13:51:03 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [62322] Wanted
Message-ID: <008401bf70d3$1e8e0ee0$38e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Do you have a Ten-Tec Argonaut 515 QRP rig?

Would you like to sell it?

I have a friend looking to buy one, please e-mail me direct.

Thanks,

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.n3epa.org
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1 NJ QRP #179
KL7 QRP # 309 G-QRP # 3031
ARCI QRP # 5318 10 - X #13173
NorCal Zombie #625
ARS # 380 HI-QRP #153
VA QRP Society

SETI @ Home Project
http://setiathome.ssl.berkeley.edu
150 + Work Units Completed

Date: Sun, 06 Feb 2000 12:21:49 -0600
From: wa7lnw@infowest.com
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>, Jack Reed
<wa7lnw@infowest.com>
Subject: [62323] FYBO Utah Report...de WA7LNW
Message-ID: <20000206191848.6EBA920F91@infowest.com>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: quoted-printable

4TH ANNUAL FYBO =AD WINTER QRP FIELD DAY =8C2000

Call: WA7LNW
State: Utah
Category: Single Operator
Mode: CW QRP

Field Location: 5,300 ft. elevation, southwestern Utah
Alternative pwr: Battery, Optima 65 amp/hr gel cell
Lowest op temp: 48 F

QSOS	x	SPCs	x	TEMP Mult	x	FIELD	x	ALT PWR
110	x	35	x	3	x	4	x	2

Final Score =3D 92,400

All reports: RST UT Jack 5w 48 F

Equipment Description:

Elecraft: K-2, serial # 660
Cushcraft: R-7 vertical
Antenna tuner: ZM-2
Logging: Paper logs

Club Affiliation: Southern Utah QRP Association

Soapbox:

A big "THANK YOU" to the AZ ScQRPions for sponsoring another fun QRP event!

This year I received permission to operate from a privately owned
aerospace test facility located on an isolated mesa here in southwestern Utah, elevation 5,300 ft.

Put my R-7 vertical at the very edge of the test track just 5
feet from a 500 ft. straight drop off!

Nice weather today...light wind. Great sunset...overlooking Zion National Park...lots of stars in the sky!

Took my R-7 vertical down in the dark after 0200 UTC. Had to use my
Jeep headlights to make sure I didn't step off the edge..hi

Operated the event with my K-2 #660 and ZM-2 antenna tuner to smooth out

the R-7's SWR down in the CW bands.

Battery power supplied by a new Optima (yellow top) 65 amp
hour deep cycle gel cell. First time to take Optima battery
into the field with K-2.
Performed excellent!!

Band conditions: Signals were weak throughout the day, lots
of QSB=8Aand bands were generally noisy!   Had to really work
for each QSO.

Had just finished packing up my antenna when three Air
Force jets flying out of Nevada, came screaming directly
overhead.   Pretty impressive sight against a night time
sky filled with stars.
Exciting finish to a fun day!

By the way, I am making plans to work the CQ WW 160 SSB
Contest from same location. Will use helium filled
balloon to support 1/4 wave vertical wire from 100 ft.
tower.

Of course=8Aeverything
depends upon good weather conditions that weekend!

73's and Best of QRP DXing!

de Jack, WA7LNW

Date: Sun, 6 Feb 2000 14:33:11 -0500
From: "Al Gritzmacher " <ae2t@arrl.net>
To: "Paul R. Valko" <prvalko@oakland.edu>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Subject: [62324] Re: QRP-L : OFFICIAL QRP POWER DESIGNATIONS!!!
Message-ID: <200002061935.OAA17941@allman.localnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

On 5 Feb 00, at 22:40, Paul R. Valko wrote:

> O F F I C I A L Q R P - L P O W E R D E S I G N A T I O N S
>   Version 1.00 accepted for publication 02/05/2000
>
>

> For Output power LESS than five watts but OVER one watt...
>   Round power to nearest watt, include the special QRP-L
>   Approved symbol, "ABT" in front of the measured power.
>
>   Examples: 4.3   watts: ABT 4W
>   2.53 watts: ABT 3W
>   1.002 watts: ABT 1W
>
> For Output power LESS than one watt...
>   Transmit the special QRP-L Approved symbol "MW" following the
>   power as measured in milliwatts.
>
>   Examples: 500 milliwatts 500 MW
>   253 milliwatts   253 MW
>   7 milliwatts   7 MW
>
>

That's just "ABT" the most sensible way around it! Thanks, Paul!

Al Gritzmacher, AE2T
ae2t@arrl.net

Welcome to year 2000, the last year of the Twentieth
Century and the last year of the Second Millenium.
2001 is the beginning of the new century and millenium.

Date: Sun, 06 Feb 2000 11:38:20 -0800
From: Randy Foltz <rfoltz@turbonet.com>
To: qrpl_post <qrp-l@lehigh.edu>, elecraftlist <elecraft@qth.net>
Subject: [62325] SSB Sprint Contest
Message-ID: <389DCDAC.6BFDF8FA@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy, gang.

Now that everyone has been primed by FYBO, get ready for the ARCI Winter
Fireside SSB Sprint. This is a SSB only sprint that runs 4 hours from
2000-2400Z February 13, 2000. The exchange is RS, S/P/C, and ARCI
member number if you've got one or power output if you don't. Scoring
is the same as the usual CW ARCI contests. Full details are at
http://personal.palouse.net/rfoltz/arci/fireside.htm.

After the sprint use the High Claimed Score Report Form to send your

score and your soapbox comments. I will tabulate the scores and soapbox comments by 9 PM PST each day for 5 days after the sprint. The Report Form is at http://personal.palouse.net/rfoltz/arci/form.htm. For the High Claimed Scores take a look at http://personal.palouse.net/rfoltz/arci/highclm.htm. The soapbox will be at http://personal.palouse.net/rfoltz/arci/soapbox.htm.

As a new wrinkle, ARCI President Jim Stafford, W4QO, will award the high score and the high K2 score with a 1 year membership in ARCI.

Mark your calendar!

73,
Randy
K7TQ
ARCI Contest Chairman

Date: Sun, 06 Feb 2000 11:40:45 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [62326] Contest and K2.
Message-ID: <389DCE3D.1411963E@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang, I hope y'all had fun with FYBO. It was really cold out in the detached shack. The concrete floor sure keeps the temp down! Low here was 48 deg. F.

I got 88 QSO's in casual operating over 8 hours. I'm currently adding options to a K2 that arrived Thursday for upgrade. By that eve. had the 160 M module done. Friday I finished the Noise Blanker and tuned them both up. No time to really tweak the NB due to the FYBO contest, but afterwards I used the GDO Jerry/W5JH sent me and had to add 1 turn to each of the two cores in the Bandpass section. Now it sits at 14 turns each and easily peaks withing the range of the trimmer caps. Wahoo!

The SSB Module is coming next week and I get to hang onto the rig until the ATU comes here so I'll be on the K2 for awhile again. <too bad, eh? hee, hee.>

Oh, I noticed the K2 keyer stops at 50 WPM. C'mon

Elecraft, don't you know we have a QRQ net! It won't
be long that I'll be driving the K2 with the MFJ keyer to
go above that. (These norcal paddles are handling the
QRQ pretty good!)

For the FYBO I was surprized how well I did considering
I was using a Folded Dipole for all bands! Wow, It tuned
up easily on 15 and 10 meters, tough on 20, but i got a
lot of QSO's on 20 regardless! 40 Meters was amazing.
My friend in Grass Valley had a chat with me during the
test, he signed off. Then I realized I had one more thing
to say and called him. He came back and said he'd
already switched to the dummy load!!! And heard me!

Wow, Doug/K6RPM said I might need to go QRPp
on the K2 -- Har!

Had a blast. Hope to hear some of you for the QRQ net
tonight at 7 PM PST, 7039 KHz.

72/Ed we6w

--
72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

____
NetZero - Defenders of the Free World
Get your FREE Internet Access and Email at
http://www.netzero.net/download/index.html

Date: Sun, 06 Feb 2000 10:48:10 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: we6w@netzero.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62327] Re: Contest and K2 - The WE6W Phenomenon
Message-ID: <389DCFFA.7F7456FC@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The WE6W Phenomenon

Surprised indeed! Ed and I worked each other on 40, 20 and 15 meters yesterday.

How DOES he do it? Curious minds and amazed people want to know.... :-)

73, Jim
Jim Larsen, AL7FS http://www.qsl.net/al7fs/
Anchorage, Alaska mailto:al7fs@qsl.net
ICQ 11022915 (ICQ info at http://www.icq.com/)

Ed Loranger wrote:
>
> Hi gang, I hope y'all had fun with FYBO.
> For the FYBO I was surprized how well I did considering I was using a Folded Dipole for all bands! Had a blast.
> 72/Ed we6w
>

Date: Sun, 6 Feb 2000 14:21:29 -0600
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [62328] FYBO Log & Comments
Message-ID: <001701bf70df$c1636dc0$215c32cf@tcac.net>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My first FYBO. Decided to give it a shot with my just finished Red Hot 20, even though I haven't totally finished aligning and debugging it. I had just one QSO in the log before FYBO.

Decided to do a miniature Arkansas version of the mountain-topping that guys in the western states do. Only instead of going up 6000 feet, I'd go up 600, to 1000 feet ASL. It's a neat little mountain called Short Mountain near Paris, about two miles long and a mile wide or so. Juts up very steeply from the mostly level surrounding terrain. I don't know geology. Maybe it's dinosaur spoor.

Antenna erection always requires the invention of a few new cuss words. I always end up looking like Charlie Brown trying to fly his kite. But eventually, my simple dipole

looked great up in the trees at about 35 or 40 feet. Got started about two hours 45 minutes late, but that's OK--20 meters is a late starter anyway. Temperature was 34F at the start. There were still some little patches of snow here and there, but there were also some daffodils starting to bloom. This mountaintop is mostly uninhabited and I sort of wished I'd brought my dog for company.

Conditions seemed to be a bit up and down. Heard a few consistently strong QRP signals, but I didn't do real well calling CQ. It was fun though. Didn't have many equipment problems. Once, I shut down the rig to take a walk and after returning, my sidetone wasn't working and the receiver sounded extra noisy (thought it may have been band conditions). But I'd brought a super cmos II keyer and got it hooked up (it has sidetone). Then later, I powered the rig down and up and things went back to normal. Guess the TICK needed to be rebooted(?)

Guys I heard a lot of were K5LN, AA5B, NQ9RP ... all medium distance stuff. Didn't work any 1's, few 7's, just one 6.

Shutdown early (2PM CST), gave a good tour of the mountain and headed back home. Wasn't sure if it would be legal to operate "class D" after starting in the field, so I set up the rig on a little wicker table on the front porch and made about 10 more Q's from there.

OK--here's some log info--

K5LN, TX, 5W, 44F
AA5B, NM, 5W, 17F (BRRRR!)
AE2T, NY, 5W, 70F
NQ9RP, WI, 5W, 27F
K5ZTY, TX, 5W, 68F
N0TU CO, 100 mW, 35F
KO4PY, NC, 5W, 52F
KF9D, IL, 5W, 70F
AK7Y, AZ, 100mW, 72F
N8IE, OH, 5W, 70F
AE5Z, TX, 4W, 50F
N3LAZ, PA, 5W, 68F
N5IW, TX, 5W, 44F
W6FZA, CA 5W, 75F
N4DD, TN 1W, 72F
KB9LCK, IL, 2W, 50F
K8CV, MI, 5W, 72F
NQ7RQ, AZ, 5W, 70

W3KC, MD, 5W, 30F
AJ4Y, FL, 5W, 71F (in FL, that could be indoor or out ...)
N4UY, VA, 5W, 70F
AK3X, MD, 2W, 70F

22 QSO's, 16 SPC. Nothing to write home about, but I'm writing home anyway.

Hope I typed that all right. Additional observations--

I wish we could agree to spread out a little more. We seemed to operate from 14058 to 14062 and shared the area with a county hunter's net, some packet stuff, two state QSO parties, some FISTS action and misc. ragchews.

Putting up antennas is never trivial. Even a pipsqueak 20 meter dipole.

Arkansas does have a winter.

Sure was fun, glad I decided to participate.

72,

Nick, WA5BDU
in Arkansas

Date: Sun, 6 Feb 2000 15:25:19 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <ekdave@earthlink.net>
Subject: [62329] Re: new Ham Kit Builder web page [ELMER 101 Reference summary]
Message-ID: <008701bf70e0$4ca489a0$9d59accf@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a great set of Powerpoint slides Dave! You've done some wonderful work in putting together this course.

The "Elmer 101" materials are such valuable educational efforts, all focusing on the Small Wonder Labs' SW-40+ transceiver (http://www.smallwonderlabs.com) and the basics of electronics used in its design and analysis. Every serious QRPer ought to consider getting this inexpensive kit from Dave Benson, NN1G and following one or all of the

"course" materials we now have:

1) Dave Ek's AB0GO "Elmer 101" Powerpoint slide course,
http://home.earthlink.net/~hamkitbuilder

2) Glen Leinweber's VE3DNL "Discussion of the SW40+ CW Transceiver" at
http://epic.mcmaster.ca/~elmer101/

3) NorCal's QRPp for Autumn 1998 "Elmer 101" issue, completely devoted to describing the SW40+ transceiver - lessons, analysis, test bench procedures, step-by-step construction. This is an *excellent* reference!

There's never been a better time to learn how a QRP transceiver works, build one "along with the experts" and operate it with a bunch of similar-minded QRP enthusiasts.

72, George N2APB
  n2apb@amsat.org

----- Original Message -----
From: Dave Ek <ekdave@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, February 06, 2000 11:59 AM
Subject: new Ham Kit Builder web page

Gang,

I was looking for someplace to consolidate a few kit-building resources I've created (my kit-building class, Elmer 102, etc.) so I decided to start a new web page devoted to ham kit building. The purpose behind the page is to provide information, resources, links, etc regarding ham kit building, especially aimed at newbies. The URL is

http://home.earthlink.net/~hamkitbuilder

but there isn't a whole lot there yet besides stuff from my kit building class, Elmer 102, and some links.

I'd love to add more stuff to this site. If you have articles, reviews, links, hints & tips, or anything else that you've written or used, send me an email and I'll add them to the site.

73,

Dave AB0GO

Date: Sun, 06 Feb 2000 14:32:57 -0600
From: wa7lnw@infowest.com
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [62330] JW5HE Contact..de Jack, WA7LNW
Message-ID: <20000206212956.4E2E320F30@infowest.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Unexpected...QRP DX

Great band conditions today (Sunday, Feb. 6th) on 20 meters.

Just completed returning my shack to normal operation
following the FYBO field operation.

Heard JW5HE, Rag calling CQ on 14060. Worked him on first
call with K-2 at 5 watts and single vertical wire loop at 40
feet.

Where were these good band conditions yesturday during the
FYBO event?!

73's de Jack, WA7LNW

Date: Sun, 6 Feb 2000 16:26:23 -0800
From: "David Benson" <nn1g@earthlink.net>
To: <sslyon@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [62331] Re: FYBO / FUBAR: QRPp mayhem.
Message-ID: <007601bf7102$f0daaf00$5669173f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: S LYON <sslyon@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, February 06, 2000 8:14 AM
Subject: FYBO / FUBAR: QRPp mayhem.

>I'll just skim over some of the gory details. Just let it be said that
>there be a serious attempt at a manual for the FYBO Fanatic, requiring
>some very serious effort to state things "in the positive". There were
>good moments.... like my final Q with Randy, K7TQ in ID. The DSW-20
>modified for 900mW and 20m EDZ really did punch a signal out there, even
>tho the band didn't seem that busy. The antenna had gone up like a
>dream.
>
>Problems started with 2- nights-before preparation when I smoked the 12v
>input circuit to the Poqet Plus (for logging) by assuming (at 1:15
>a.m.) that the shield of that nice power cord was ground. (!??!)
>Fortunately, the battery part still worked.
>
>Then I got the 4-w.d. car stuck... TWICE by underestimating the snow
>depth on the access trail. No problem w/cold as I already beat and
>hot/sweaty after digging out the car, packing all the stuff to the site
>and setting up. Then an unused 12v coaxial pwr plug leg-humped one arm
>of my tuner ground wing nut and proceeded to incinerate the wire to the
>12v Makita drill battery before I could figure out where all the smoke
>and noise was comming from. The batt. wasn't yet in its usual
>location... my pocket. (to keep it warm)
>
>After improvising 12vdc wiring, I found that the Poqet LCD didn't work
>at all at 18 F. when I started -or even 25 deg. later. After my 3rd Q
>(Rich, K5RAC in TX) I thought all was in order when the
>keyer/annunciator on the DSW-20 went nuts. Switched to the 40+ with
>separate TICK-4 keyer... no go. No straight key, either. I actually
>tried to bring the rig into my Carhart "monkey-suit" for warmth but that
>was a bust due to lead-lengths and restricted range of operator
>movement. I did my best, enjoying a nice day scouting antenna sites, for
>10 widely spaced Q's by warming up the rig in my clothes and working one
>or two before it went brain-dead again. Got some real work to do, there.
>
>Sure am glad I didn't try to write this last nite. Next year I'm really
>going to get organized.
>72
>-s-
>AA1MY
>
>

Date: Sun, 6 Feb 2000 17:11:36 -0500
From: "George Heron N2APB" <n2apb@erols.com>

To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [62332] Atlanticon Speaker Profile: NN1G and PSK31 for QRPers
Message-ID: <011c01bf70ef$24228540$9d59accf@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We're starting the countdown to Atlanticon QRP Forum ... only 7 more weeks before the biggest QRP event on the east coast happens on March 24-25 in the Philadelphia suburb of Glen Mills.

Each week we'll present and overview one of the QRP topics being presented by our staff of leading QRP experts from around the country. And as a reminder, each paper is being published in the "Atlanticon 2000 QRP Forum Proceedings", being made available to all attendees that weekend, and for sale to others after the Forum. Our illustrious speaker/author staff includes: Chuck Adams (K7QO), Dave Benson (NN1G), Joe Everhart (N2CX), Ed Hare (W1RFI), Jim Kortge (K8IQY), Mike Gipe (K1MG) and Gary Diana (N2JGU). What a line-up for Atlanticon's all-day Saturday seminars!

The first Atlanticon presentation we'll profile is that of Dave Benson, NN1G. Dave will discuss the relatively new PSK31 mode and what it means for QRPers and homebrewers. He'll have a demonstration setup to show off this mode in action, and (antenna-setup permitting), we should be able to log some live QSOs at Atlanticon. Everyone has undoubtedly been hearing the excitement and growing interest in this new digital mode of operation ... as chief designer and owner of Small Wonder Labs, NN1G will have some interesting news coming our way concerning PSK31.

DAVE BENSON, NN1G graduated from the University of Connecticut in 1976 (Electrical Engineering), and he first worked in Phoenix and Albuquerque for Honeywell's Flight Systems Division. Part of a displays design group, Dave was responsible for a number of video and communications terminal designs. (If you've seen the F-15 bomb-camera recordings from the Gulf conflict on the evening news, that's his handiwork.) Dave holds several design patents in this area. More recently, he'd been contributing on a helmet-mounted display program for the Army's new Comanche helicopter. Dave began writing for the QRP Quarterly in 1990, despite the dire predictions of most of his high school English teachers. He served as technical editor of QQ before 'going commercial' with his venture, Small Wonder Labs, in 1994. This grew from his work on the classic '40-40' project for the New England QRP Club. As of 1996, he's devoted full-time to this activity, and continues to publish, most recently in NorCal's QRPp and the ARRL's QST magazine.

Dave is a member of the NJ-QRP Club and is our technical advisor again this year for the Atlanticon QRP Forum organizing staff. We sure appreciate NN1G's participation in the program!

We hope as many QRPers as possible can take advantage of the prolific lineup of speakers and fun we have arranged for Atlanticon this year. All the information concerning reservations, travel and lodging discounts, maps and directions, fun-filled QRP events on Friday and Saturday evenings (including the Building Contest and Snap Kit judging) is available on the Atlanticon web page (http://www.njqrp.org/atlanticon/), or can be obtained automatically by email. (Send an email to EMBOT@NJQRP.ORG with the words SEND ATLANTICON in the body of the message. An automated reply will be sent almost immediately.)

An "Atlanticon Info Package" (maps, hotel details, area sites and activities, etc) is being mailed out this week to all registered QRPers, and thereafter too upon receipt of new registrations received. Also contained in the Info Package is the SNAP KIT ... a Manhattan-style QRPp transmitter kit for all Atlanticon attendees to construct and bring along for the Building Contest on Saturday evening of that weekend. (Again, for details see http://www.njqrp.org/atlanticon/snap.html)

72, George N2APB
n2apb@amsat.org
for the NJ-QRP Club ... proud sponsors of the Atlanticon 2000 QRP Forum
http://www.njqrp.org

Date: Sun, 6 Feb 2000 18:01:55 EST
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [62333] PSK.... 4 contacts copied w/o retuning.
Message-ID: <e1.eb1bee.25cf5763@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I posted yesterday that I had copied my first PSK QSO. Today, it was unbelievable. Since I didn't get a line to hook up the computer to the radio, I can't make a contact. But it is interesting trying to copy others' contacts and getting familiar with the software.

At one point, with the K2 tuned to 28.116, I was able to identify and copy 4 different QSO's without re-tuning or touching the K2. All I had to do was click on one of the waterfall's four yellow lines. That is amazing to me and I could tell anything from listening to the audio.

Cheers,

Gerry, K1LRO/7
PHX AZ

Date: Sun, 6 Feb 2000 16:24:36 EST
From: Richard S McKee <kc8aon@juno.com>
To: ae2t@arrl.net, qrp-l@Lehigh.EDU
Subject: [62334] Re: QRP-L : OFFICIAL QRP POWER DESIGNATIONS!!!
Message-ID: <20000206.181857.4567.2.kc8aon@juno.com>

WWWWEEEEEELLLLLLL SSSSAAAAIIIIDDDD !!!!!!!!!!!!!!

IT'S ABOUT TIME WE HAD A SCIENTIST EXPLAIN THAT'N !   DUH

73...Rick McKee KC8AON   { CW lives as long as I do ! }
Willow Wood,Ohio
AR QRP # 269
QRP-L # 2112
ZOMBIE # 718

On Sun, 6 Feb 2000 14:33:11 -0500 "Al Gritzmacher " <ae2t@arrl.net>
writes:
>On 5 Feb 00, at 22:40, Paul R. Valko wrote:
>
>>   O F F I C I A L   Q R P - L   P O W E R   D E S I G N A T I O N S
>>   Version 1.00 accepted for publication 02/05/2000
>>
>>
>> For Output power LESS than five watts but OVER one watt...
>>   Round power to nearest watt, include the special QRP-L
>>   Approved symbol, "ABT" in front of the measured power.
>>
>>   Examples: 4.3   watts: ABT 4W
>>   2.53 watts: ABT 3W
>>   1.002 watts: ABT 1W
>>
>> For Output power LESS than one watt...
>>   Transmit the special QRP-L Approved symbol "MW" following
>the
>>   power as measured in milliwatts.
>>
>>   Examples: 500 milliwatts 500 MW
>>   253 milliwatts   253 MW
>>   7 milliwatts   7 MW
>>
>>

>
>That's just "ABT" the most sensible way around it! Thanks, Paul!
>
>Al Gritzmacher, AE2T
>ae2t@arrl.net
>
>Welcome to year 2000, the last year of the Twentieth
>Century and the last year of the Second Millenium.
>2001 is the beginning of the new century and millenium.

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 6 Feb 2000 17:31:54 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: <GElam30092@aol.com>, "q" <qrp-l@Lehigh.edu>
Subject: [62335] Re: PSK.... 4 contacts copied w/o retuning.
Message-ID: <021301bf70fa$5b59a600$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've been doing the same with my DSW-40, nightly around 7.071 I receive several PSK31 QSOs. I had never thought of running my DSW audio through my notebook computer, but now I use the combo not only to copy PSK31 but also to watch CW band activity and to produce great speaker audio so that I am not using earphones now. It sure is handy. As I am writing this I hear some PSK31 activity on 40 meters from my computer speakers. Are any receivers capable of scanning a band and tuning to found PSK31 signals yet?

I can't wait to see Small wonder labs PSK31 transceiver offering that is coming up this spring. I'm imagining hooking it to my laptop and heading to the field for some mountain top PSK operating. A couple of watts can do some fantastic things with PSK31 mode.

73,

Richard WA4NWW following the yellow train tracks

> At one point, with the K2 tuned to 28.116, I was able to identify and copy
4
> different QSO's without re-tuning or touching the K2. All I had to do was
> click on one of the waterfall's four yellow lines. That is amazing to me
> and I could tell anything from listening to the audio.
>
> Cheers,
> Gerry, K1LRO/7
> PHX AZ

Date: Sun, 6 Feb 2000 18:41:16 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Cc: "North GA QRP" <nogaqrp@qth.net>, "Radio Astronomy Reflector" <radio-
astronomy@qth.net>
Subject: [62336] FW: Major solar flare sighted this weekend
Message-ID: <NBBBJDEEIFDDANGEGHLBEEIJILAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This should affect propagation...

-----Original Message-----
From: Space Science News [mailto:express@spacescience.com]
Sent: Sunday, February 06, 2000 05:13 PM
To: Space Science News
Subject: Major solar flare sighted this weekend

Space Science News for February 6, 2000

Small Sunspot, Big Flare: One of the biggest and brightest optical flares
of the current sunspot cycle erupted this weekend. The flare was a whopper,
but the sunspot group it came from wasn't. The full story, which includes
pictures of the flare and a coronal mass ejection, is at:

http://www.spacescience.com/headlines/y2000/ast06feb_1.htm

Small
Sunspot, Big Flare

==========

You are subscribed to the SpaceScience.com mail server.
This is a free service. Follow the instructions at the
bottom of this message if you wish to unsubscribe.
Thanks! --Tony Phillips, Editor
==========

You are currently subscribed to sciencenews as: n4xy@arrl.net
To unsubscribe send a blank email to
mailto:leave-sciencenews-70850V@spacescience.sparklist.com

Date: Sun, 6 Feb 2000 18:45:17 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: FT100@onelist.com
Cc: Fred Lesnick <flesnick@tbaytel.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62337] Re: [FT100] Re: Radio Aurora Maybe
Message-ID: <Pine.OSF.4.20.0002061843250.17682-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good Grief... what are you doing on 20M during an aurora when you have a perfectly fine aurora-ready radio right in front of you?

Swing the beam north next time and call CQ AU on 144.2 or 50.125 +/- QRM.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
  Visit the Virtual Ten*Tec Museum at:
  <http://www.acs.oakland.edu/~prvalko>

On Sun, 6 Feb 2000, Timothy H. Heaton wrote:

> I heard incredible aurora flutter last night on 20 and 40 meters, and I
> heard a California station late on 20 meters that I'm sure I was only

---

Date: Sun, 06 Feb 2000 18:48:46 -0500
From: Fred Lesnick <flesnick@tbaytel.net>

To: Paul <prvalko@oakland.edu>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [62338] Aurora Maybe
Message-ID: <389E085D.ADDD677C@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul wrote:
Good Grief... what are you doing on 20M during an aurora when you have a

perfectly fine aurora-ready radio right in front of you?

Swing the beam north next time and call CQ AU on 144.2 or 50.125 +/-
QRM.

73! =paul= W8KC

 Hello guys:
Dont forget to listen and call on 50.096 and 50.104 cw of course...This is where I hang out...By the time I find the microphone,the aurora will have passed...
73 Fred
VE3FAL
Thunder bay,Ontario
EN58jj

End of QRP-L Digest 1723
****